

Item: A07 KEY: E
 Identify location of organs in the body. (Life Science)
 Difficulty: 480

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	2.2	5.1	4.8	9.7	76.8	1.3	76.8	0.0	0.1	1.2	81.3	72.5
Austria	2772	0.4	3.6	0.5	11.6	82.9	0.9	82.9	0.2	0.1	0.7	86.1	79.9
Belgium (Fl)	2893	0.7	4.0	1.0	12.4	80.7	1.1	80.7	0.0	0.0	1.1	83.5	77.9
Belgium (Fr)	2578	1.0	11.3	1.3	37.8	45.0	3.6	45.0	0.6	0.2	2.8	46.1	44.2
Bulgaria	1973	0.8	2.2	3.6	4.7	84.0	4.6	84.0	4.1	0.0	0.5	84.2	83.9
Canada	8334	1.8	7.9	5.1	15.3	69.0	1.0	69.0	0.6	0.0	0.4	70.9	66.7
Colombia	2649	1.1	5.3	2.9	13.5	71.4	5.8	71.4	1.2	2.3	2.3	73.7	68.9
Cyprus	2922	1.0	3.3	2.1	20.2	71.8	1.7	71.8	0.6	0.1	0.9	80.3	64.0
Czech Republic	3317	0.4	13.0	0.3	7.5	77.7	1.2	77.7	1.1	0.0	0.1	79.3	76.3
Denmark	2292	1.8	6.4	9.4	16.2	59.8	6.6	59.8	2.3	0.1	4.1	62.4	56.9
England	1757	2.2	3.5	7.0	17.2	67.0	3.0	67.0	0.0	0.1	2.9	71.5	62.9
France	2994	0.6	16.7	1.1	28.1	51.6	1.8	51.6	0.8	0.0	1.0	49.2	53.3
Germany	2862	0.8	5.4	0.7	13.9	76.2	3.1	76.2	2.2	0.1	0.8	80.9	72.2
Greece	3975	0.6	4.1	2.1	12.3	78.3	2.7	78.3	2.0	0.0	0.6	82.6	74.3
Hong Kong	3333	1.1	1.6	1.2	18.6	76.6	0.8	76.6	0.0	0.0	0.8	73.2	79.4
Hungary	2912	0.3	2.1	0.9	11.5	80.7	4.4	80.7	0.0	0.1	4.3	83.8	77.6
Iceland	1763	2.6	6.0	6.8	28.0	54.7	2.0	54.7	1.4	0.1	0.6	59.7	50.0
Iran, Islamic Rep.	3692	2.6	4.5	2.3	33.0	57.1	0.4	57.1	0.3	0.0	0.1	65.4	50.5
Ireland	3071	2.0	3.8	8.5	12.9	71.4	1.4	71.4	0.9	0.1	0.4	76.6	66.2
Israel	1413	0.5	3.1	1.0	27.0	67.0	1.4	67.0	0.0	0.5	0.9	74.3	60.1
Japan	5137	0.9	3.3	0.8	30.8	63.5	0.6	63.5	0.5	0.0	0.0	64.7	62.4
Korea	2920	1.5	7.8	1.6	40.4	48.6	0.1	48.6	0.0	0.0	0.1	43.0	53.2
Kuwait	1655	3.8	4.8	3.4	32.7	54.3	1.1	54.3	0.1	0.1	0.9	64.2	44.6
Latvia (LSS)	2408	0.7	4.0	0.7	16.8	76.0	1.8	76.0	0.0	0.2	1.6	77.9	73.9
Lithuania	2514	1.6	7.7	2.1	12.7	73.5	2.5	73.5	0.7	0.1	1.8	74.6	72.0
Netherlands	1984	1.1	2.5	1.8	12.0	82.4	0.1	82.4	0.1	0.0	0.0	84.5	80.2
New Zealand	3666	3.0	5.1	5.1	15.0	70.5	1.3	70.5	0.7	0.0	0.5	73.2	68.0
Norway	3258	3.6	6.6	5.3	24.4	53.8	6.2	53.8	0.0	0.0	6.2	59.1	48.4
Philippines	5993	10.2	13.2	11.8	20.0	44.3	0.4	44.3	0.0	0.0	0.4	48.7	39.0
Portugal	3375	1.2	4.2	2.6	24.4	63.8	3.7	63.8	0.0	0.1	3.7	65.4	62.3
Romania	3717	1.0	3.1	2.0	8.7	77.7	7.5	77.7	6.5	0.1	0.9	78.5	76.8
Russian Federation	4020	1.2	3.6	4.7	8.7	79.8	2.0	79.8	1.0	0.1	0.9	81.0	78.4
Scotland	2853	3.1	4.3	8.6	20.3	61.4	2.3	61.4	1.6	0.0	0.7	64.4	58.9
Singapore	4644	1.1	3.0	2.0	14.0	79.4	0.5	79.4	0.0	0.0	0.5	86.0	73.2
Slovak Republic	3499	2.4	6.2	13.3	6.9	69.6	1.7	69.6	1.4	0.0	0.3	74.1	65.0
Slovenia	2704	1.1	6.8	1.3	5.6	82.3	2.8	82.3	2.2	0.0	0.6	83.9	80.6
South Africa	4491	21.4	13.0	17.9	14.8	30.3	2.6	30.3	0.9	0.3	1.4	29.4	30.9
Spain	3849	1.3	3.7	1.3	19.0	72.0	2.8	72.0	0.0	0.0	2.8	72.0	71.9
Sweden	4048	1.7	3.7	2.0	11.7	79.9	1.1	79.9	0.4	0.1	0.5	82.7	77.1
Switzerland	4854	1.0	5.2	1.1	19.2	72.2	1.4	72.2	0.7	0.0	0.6	76.5	68.1
Thailand	5850	0.3	2.1	1.3	5.0	90.9	0.3	90.9	0.0	0.0	0.3	92.0	89.0
United States	7045	2.6	4.1	4.7	10.6	76.3	1.7	76.3	0.3	0.2	1.2	81.0	71.8
INTERNATIONAL AVG	.	2.2	5.5	3.8	17.3	69.1	2.2	69.1	0.8	0.1	1.2	72.0	66.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A08 KEY: B
 Compare stored energy of two compressed springs. (Physics)
 Difficulty: 490

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	6.8	77.0	5.1	10.8	0.3	77.0	0.0	0.1	0.2	77.8	76.2
Austria	2772	4.3	71.9	4.2	18.7	1.0	71.9	0.2	0.1	0.7	73.3	70.7
Belgium (Fl)	2893	4.9	73.1	5.5	16.4	0.2	73.1	0.0	0.0	0.2	74.2	71.9
Belgium (Fr)	2585	9.3	61.6	6.7	20.0	2.4	61.6	0.1	0.3	2.0	61.7	61.7
Bulgaria	1973	10.6	60.6	13.6	13.7	1.4	60.6	0.2	0.0	1.2	59.9	61.5
Canada	8334	6.9	74.9	5.9	11.7	0.5	74.9	0.2	0.0	0.3	74.9	74.8
Colombia	2649	6.7	49.1	6.6	33.2	4.2	49.1	0.3	2.3	1.6	46.8	51.7
Cyprus	2923	9.4	56.9	6.9	25.8	0.9	56.9	0.2	0.1	0.6	53.9	59.8
Czech Republic	3323	6.2	66.8	7.5	18.6	0.9	66.8	0.5	0.0	0.4	67.4	66.3
Denmark	2292	7.2	66.1	5.0	19.5	2.3	66.1	0.7	0.1	1.4	64.6	67.7
England	1757	7.2	77.9	4.0	10.5	0.4	77.9	0.0	0.1	0.3	76.9	78.8
France	2994	5.4	71.4	7.4	14.6	1.3	71.4	0.2	0.0	1.0	68.6	74.4
Germany	2862	4.8	70.7	5.2	17.5	1.8	70.7	0.8	0.1	0.9	70.7	70.9
Greece	3975	6.0	70.4	5.4	17.7	0.4	70.4	0.1	0.0	0.3	70.9	70.0
Hong Kong	3338	11.6	63.6	6.8	17.7	0.3	63.6	0.0	0.0	0.3	59.0	67.4
Hungary	2911	2.5	69.2	4.8	22.5	1.0	69.2	0.0	0.1	1.0	70.8	67.5
Iceland	1763	9.4	55.8	9.7	24.0	1.0	55.8	0.4	0.1	0.6	53.7	57.7
Iran, Islamic Rep.	3692	12.7	49.7	9.4	27.8	0.4	49.7	0.1	0.0	0.3	46.8	52.2
Ireland	3071	9.6	69.1	5.7	15.3	0.4	69.1	0.1	0.1	0.2	67.7	70.5
Israel	1415	6.6	76.2	6.6	9.1	1.5	76.2	0.0	0.5	0.9	74.8	79.3
Japan	5137	6.1	81.0	4.5	8.2	0.2	81.0	0.1	0.0	0.1	81.6	80.5
Korea	2920	13.8	74.1	8.1	3.9	0.1	74.1	0.0	0.0	0.1	69.0	78.2
Kuwait	1655	17.4	50.8	8.7	21.8	1.3	50.8	0.0	0.2	1.1	46.8	54.7
Latvia (LSS)	2406	7.6	47.3	6.3	37.4	1.4	47.3	0.0	0.2	1.1	48.3	46.1
Lithuania	2513	7.8	60.2	3.7	26.5	1.8	60.2	0.3	0.1	1.4	62.5	57.4
Netherlands	1984	6.8	79.0	5.7	8.5	0.1	79.0	0.0	0.0	0.1	79.0	79.0
New Zealand	3666	7.9	77.0	4.9	10.0	0.2	77.0	0.0	0.0	0.1	76.9	77.1
Norway	3259	7.4	74.6	6.1	11.1	0.9	74.6	0.0	0.0	0.9	73.6	75.6
Philippines	5993	28.4	46.9	11.1	13.4	0.2	46.9	0.0	0.0	0.1	44.7	49.7
Portugal	3376	9.8	59.5	7.2	22.5	1.0	59.5	0.0	0.1	0.9	58.6	60.3
Romania	3721	7.0	37.4	7.8	45.7	2.1	37.4	1.0	0.1	1.0	37.1	37.6
Russian Federation	4019	5.6	64.1	2.8	26.8	0.7	64.1	0.1	0.2	0.5	65.3	62.7
Scotland	2853	8.5	76.9	4.2	10.1	0.3	76.9	0.0	0.0	0.3	75.0	78.5
Singapore	4644	3.9	78.2	2.6	15.1	0.1	78.2	0.0	0.0	0.1	79.2	77.3
Slovak Republic	3500	7.1	66.0	5.0	21.0	0.7	66.0	0.2	0.0	0.5	68.6	63.4
Slovenia	2705	7.7	75.1	4.6	12.1	0.4	75.1	0.1	0.0	0.3	71.1	79.3
South Africa	4491	25.4	43.9	16.4	13.0	1.3	43.9	0.5	0.3	0.5	39.1	48.9
Spain	3849	7.6	68.8	8.0	15.0	0.6	68.8	0.0	0.0	0.5	67.6	70.1
Sweden	4048	6.2	69.5	5.3	18.3	0.6	69.5	0.2	0.1	0.3	71.3	67.8
Switzerland	4854	5.6	73.0	6.6	14.1	0.7	73.0	0.2	0.0	0.5	74.5	71.7
Thailand	5850	7.2	75.4	3.0	13.9	0.6	75.4	0.0	0.0	0.5	76.8	73.3
United States	7045	7.9	80.0	4.5	6.4	1.3	80.0	0.0	0.2	1.1	78.3	81.6
INTERNATIONAL AVG	.	8.6	66.4	6.4	17.6	0.9	66.4	0.2	0.1	0.6	65.7	67.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A09 KEY: B
 Relate fire temperature to oxygen supply. (Chemistry)
 Difficulty: 411

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	2.7	86.0	2.1	8.6	0.6	86.0	0.0	0.1	0.5	84.3	87.7
Austria	2772	4.0	84.8	2.6	7.7	0.8	84.8	0.0	0.1	0.7	84.1	85.7
Belgium (Fl)	2893	2.9	87.5	1.1	8.3	0.2	87.5	0.0	0.0	0.2	86.0	89.1
Belgium (Fr)	2585	3.3	76.4	1.6	16.7	2.0	76.4	0.2	0.3	1.5	70.7	82.2
Bulgaria	1973	2.1	91.2	1.5	4.0	1.2	91.2	0.8	0.0	0.4	90.6	91.8
Canada	8334	1.9	85.4	1.8	10.0	0.9	85.4	0.2	0.0	0.7	83.7	87.2
Colombia	2649	18.9	39.4	3.4	31.6	6.7	39.4	0.2	2.6	4.0	37.4	41.7
Cyprus	2923	5.1	81.3	3.9	8.8	0.9	81.3	0.1	0.1	0.7	80.0	82.7
Czech Republic	3323	3.6	81.6	2.3	11.7	0.8	81.6	0.1	0.0	0.7	76.7	86.3
Denmark	2292	4.0	68.4	1.7	23.5	2.4	68.4	0.6	0.2	1.6	63.4	73.2
England	1757	1.6	86.1	1.3	10.4	0.7	86.1	0.0	0.1	0.7	83.0	88.9
France	2994	2.5	78.3	1.6	16.7	1.0	78.3	0.4	0.1	0.5	75.9	81.0
Germany	2862	5.0	79.5	3.6	9.4	2.5	79.5	0.5	0.1	1.9	76.9	82.7
Greece	3975	3.6	82.9	1.5	11.3	0.7	82.9	0.1	0.1	0.5	80.5	85.1
Hong Kong	3338	4.8	84.6	2.4	7.8	0.4	84.6	0.1	0.0	0.3	80.6	87.9
Hungary	2911	1.5	86.0	1.4	9.7	1.4	86.0	0.0	0.1	1.3	82.6	89.4
Iceland	1763	3.9	78.8	3.7	12.9	0.8	78.8	0.1	0.1	0.7	75.7	81.6
Iran, Islamic Rep.	3683	2.5	89.7	1.3	6.2	0.2	89.7	0.0	0.0	0.2	86.5	92.2
Ireland	3071	2.1	85.1	1.1	11.3	0.5	85.1	0.1	0.1	0.3	83.2	87.0
Israel	1415	4.2	81.7	2.0	9.9	2.2	81.7	0.0	0.7	1.6	80.5	84.3
Japan	5137	1.2	92.1	1.2	5.3	0.2	92.1	0.1	0.0	0.1	91.8	92.4
Korea	2920	1.5	80.5	1.8	16.3	0.0	80.5	0.0	0.0	0.0	80.2	80.7
Kuwait	1655	7.6	57.4	7.4	25.5	2.1	57.4	0.0	0.2	2.0	58.2	56.5
Latvia (LSS)	2405	5.1	72.1	5.4	15.7	1.7	72.1	0.0	0.3	1.4	66.9	77.7
Lithuania	2513	6.7	63.9	2.0	26.0	1.4	63.9	0.4	0.2	0.8	64.1	63.7
Netherlands	1984	2.4	85.5	3.8	8.0	0.4	85.5	0.0	0.0	0.4	82.3	88.4
New Zealand	3666	2.5	85.4	1.5	10.0	0.5	85.4	0.0	0.0	0.4	82.1	88.5
Norway	3259	1.9	86.5	1.0	9.5	1.0	86.5	0.0	0.0	1.0	84.6	88.5
Philippines	5993	18.9	39.1	12.3	29.2	0.5	39.1	0.0	0.0	0.4	39.4	38.9
Portugal	3376	6.0	74.6	2.0	16.4	1.0	74.6	0.0	0.1	0.9	69.4	79.7
Romania	3720	7.7	65.9	7.1	14.9	4.4	65.9	2.3	0.1	1.9	65.6	66.2
Russian Federation	4019	3.1	84.8	1.3	9.3	1.5	84.8	0.1	0.2	1.2	83.4	86.4
Scotland	2853	1.5	83.7	1.4	12.9	0.5	83.7	0.1	0.0	0.4	80.2	87.0
Singapore	4644	0.9	90.6	0.7	7.7	0.1	90.6	0.0	0.0	0.1	89.0	92.2
Slovak Republic	3500	1.9	81.1	2.3	14.0	0.7	81.1	0.2	0.0	0.5	76.1	86.2
Slovenia	2704	2.9	80.5	2.0	14.1	0.5	80.5	0.1	0.0	0.4	78.8	82.3
South Africa	4491	25.4	40.1	13.2	18.7	2.5	40.1	0.4	0.3	1.8	38.2	41.8
Spain	3849	4.8	78.6	2.0	14.1	0.5	78.6	0.0	0.0	0.5	73.2	84.2
Sweden	4048	1.8	88.9	1.3	7.2	0.8	88.9	0.2	0.2	0.4	87.6	90.2
Switzerland	4854	3.5	79.5	3.5	12.6	1.0	79.5	0.3	0.0	0.6	75.1	83.6
Thailand	5850	4.5	61.2	2.1	31.9	0.4	61.2	0.0	0.0	0.3	60.6	62.4
United States	7045	2.4	82.7	2.1	11.3	1.5	82.7	0.0	0.2	1.3	80.0	85.3
INTERNATIONAL AVG	.	4.6	77.8	2.8	13.5	1.2	77.8	0.2	0.2	0.9	75.5	80.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A10 KEY: A
 Relate light level and reflectance to vision of object. (Physics)
 Difficulty: 472

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	77.2	7.8	6.3	8.1	0.6	77.2	0.0	0.1	0.5	76.7	77.6
Austria	2772	77.3	6.8	9.4	5.7	0.8	77.3	0.1	0.1	0.6	76.0	78.5
Belgium (Fl)	2893	70.0	9.0	6.5	13.7	0.8	70.0	0.0	0.0	0.8	67.6	72.3
Belgium (Fr)	2578	59.1	7.2	15.7	14.6	3.4	59.1	0.0	0.3	3.0	56.7	61.8
Bulgaria	1973	64.2	16.5	8.0	8.6	2.6	64.2	0.8	0.0	1.8	67.0	61.3
Canada	8334	72.6	11.0	7.3	8.5	0.6	72.6	0.2	0.1	0.3	72.5	72.7
Colombia	2649	57.6	11.2	16.9	8.2	6.1	57.6	0.1	3.4	2.6	57.4	57.9
Cyprus	2923	63.0	17.0	11.5	7.5	1.0	63.0	0.1	0.1	0.8	62.5	63.8
Czech Republic	3319	69.4	7.3	11.4	11.1	0.8	69.4	0.1	0.0	0.7	64.9	73.8
Denmark	2292	64.0	14.1	11.9	7.1	3.0	64.0	0.2	0.3	2.5	59.9	68.0
England	1757	76.3	9.1	6.0	8.4	0.2	76.3	0.0	0.1	0.2	76.3	76.3
France	2994	67.6	7.8	11.2	11.7	1.6	67.6	0.2	0.1	1.4	65.5	68.9
Germany	2862	68.7	7.7	13.0	7.5	3.0	68.7	0.6	0.2	2.2	68.8	69.2
Greece	3975	67.1	13.5	12.6	5.1	1.8	67.1	0.0	0.1	1.6	67.5	66.8
Hong Kong	3338	70.5	4.9	16.8	7.1	0.6	70.5	0.0	0.0	0.6	64.4	75.7
Hungary	2912	66.3	7.5	14.6	9.7	1.8	66.3	0.0	0.1	1.7	64.3	68.4
Iceland	1763	77.0	9.3	6.6	6.0	1.1	77.0	0.1	0.1	0.9	76.4	77.5
Iran, Islamic Rep.	3683	72.3	8.2	11.4	7.4	0.7	72.3	0.1	0.0	0.6	69.4	74.9
Ireland	3071	73.8	10.4	5.6	9.7	0.5	73.8	0.1	0.1	0.3	72.6	74.9
Israel	1415	73.3	8.0	5.7	10.4	2.6	73.3	0.0	0.7	1.9	69.8	77.1
Japan	5137	60.8	7.7	23.8	7.4	0.3	60.8	0.0	0.0	0.2	59.8	61.8
Korea	2920	77.0	6.1	12.9	4.0	0.0	77.0	0.0	0.0	0.0	71.8	81.2
Kuwait	1655	61.1	17.1	14.2	5.9	1.8	61.1	0.0	0.2	1.6	65.8	56.6
Latvia (LSS)	2407	68.4	7.8	9.9	11.9	1.9	68.4	0.0	0.3	1.6	65.0	72.2
Lithuania	2514	64.3	13.1	10.6	8.6	3.4	64.3	0.1	0.2	3.1	64.5	64.0
Netherlands	1984	75.1	8.5	11.8	4.4	0.3	75.1	0.1	0.0	0.3	75.4	74.3
New Zealand	3666	74.6	9.2	6.4	9.6	0.2	74.6	0.0	0.0	0.1	73.5	75.6
Norway	3259	78.5	9.0	3.1	8.6	0.9	78.5	0.0	0.0	0.8	77.2	79.8
Philippines	5993	59.4	12.3	12.0	15.9	0.3	59.4	0.0	0.0	0.3	60.3	58.4
Portugal	3376	72.4	9.0	12.6	4.7	1.3	72.4	0.0	0.1	1.2	70.6	74.2
Romania	3722	66.6	11.9	7.8	10.5	3.3	66.6	1.3	0.2	1.8	64.9	68.3
Russian Federation	4018	50.4	13.8	12.7	20.1	3.1	50.4	0.1	0.3	2.6	46.8	54.4
Scotland	2853	72.8	8.7	6.7	11.4	0.5	72.8	0.1	0.0	0.4	72.3	73.2
Singapore	4644	89.2	1.7	6.0	2.8	0.2	89.2	0.0	0.0	0.2	88.4	90.0
Slovak Republic	3495	77.6	4.8	7.3	8.8	1.5	77.6	0.2	0.0	1.3	76.7	78.4
Slovenia	2706	81.9	4.3	6.1	7.1	0.6	81.9	0.0	0.0	0.6	80.7	83.1
South Africa	4491	37.2	20.1	27.2	13.1	2.4	37.2	0.4	0.4	1.7	34.0	40.1
Spain	3849	74.0	7.7	10.4	7.1	0.8	74.0	0.0	0.0	0.8	73.8	74.1
Sweden	4048	74.9	9.1	9.1	6.3	0.7	74.9	0.1	0.2	0.4	74.5	75.2
Switzerland	4854	70.5	7.9	10.8	9.3	1.5	70.5	0.2	0.0	1.3	69.4	71.6
Thailand	5850	68.6	6.4	14.0	10.5	0.5	68.6	0.0	0.0	0.4	69.5	67.1
United States	7045	77.0	9.0	7.3	5.8	0.9	77.0	0.0	0.2	0.8	78.3	75.7
INTERNATIONAL AVG	.	69.5	9.5	10.7	8.8	1.4	69.5	0.1	0.2	1.1	68.3	70.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: All KEY: C
 Identify major problem of overgrazing livestock. (Environment and other content)
 Difficulty: 537

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	7228	11.9	5.8	78.6	2.8	0.8	78.6	0.0	0.1	0.7	76.4	80.9
Austria	2772	9.9	13.7	65.7	9.4	1.3	65.7	0.1	0.1	1.1	61.4	69.7
Belgium (Fl)	2893	14.8	8.6	69.7	5.8	1.1	69.7	0.0	0.0	1.1	70.6	68.8
Belgium (Fr)	2578	26.6	16.8	35.2	11.8	9.6	35.2	0.3	0.4	8.9	31.3	38.7
Bulgaria	1973	8.5	13.1	75.6	1.2	1.6	75.6	0.8	0.0	0.8	76.6	74.7
Canada	8334	20.2	12.3	59.5	7.3	0.7	59.5	0.0	0.1	0.6	56.6	62.5
Colombia	2649	25.2	12.4	50.0	5.3	7.2	50.0	0.1	3.6	3.5	46.5	53.5
Cyprus	2923	10.3	27.7	55.4	5.1	1.4	55.4	0.1	0.1	1.3	54.2	56.8
Czech Republic	3319	10.7	5.4	79.2	3.9	0.8	79.2	0.2	0.1	0.5	77.1	81.3
Denmark	2292	16.3	18.0	46.2	13.0	6.5	46.2	0.4	0.3	5.8	40.1	52.6
England	1757	12.8	7.4	73.5	5.3	1.1	73.5	0.0	0.1	1.0	71.7	75.1
France	2994	35.3	11.0	40.6	9.2	3.9	40.6	0.2	0.1	3.6	37.5	43.2
Germany	2862	13.1	14.2	59.2	8.4	5.1	59.2	1.3	0.2	3.7	56.6	62.5
Greece	3975	14.0	13.2	67.7	3.5	1.5	67.7	0.2	0.2	1.2	64.9	70.4
Hong Kong	3338	16.0	22.7	52.2	8.1	1.0	52.2	0.0	0.0	1.0	48.0	55.6
Hungary	2912	22.4	11.3	60.8	3.3	2.3	60.8	0.0	0.2	2.1	57.8	63.9
Iceland	1763	7.6	16.5	70.4	4.1	1.4	70.4	0.5	0.1	0.9	67.5	73.1
Iran, Islamic Rep.	3683	3.9	22.2	70.2	3.3	0.5	70.2	0.1	0.1	0.3	66.5	73.0
Ireland	3071	13.6	5.4	76.7	3.8	0.5	76.7	0.1	0.1	0.4	75.2	78.1
Israel	1415	15.6	35.0	38.9	4.9	5.5	38.9	0.0	0.9	4.6	37.0	41.4
Japan	5137	9.4	9.8	65.7	14.9	0.2	65.7	0.0	0.0	0.1	66.3	65.2
Korea	2920	11.2	36.9	47.2	4.7	0.0	47.2	0.0	0.0	0.0	47.2	47.2
Kuwait	1655	15.7	31.9	43.1	6.1	3.3	43.1	0.0	0.2	3.1	43.4	42.7
Latvia (LSS)	2405	13.3	19.5	53.9	9.5	3.8	53.9	0.0	0.3	3.5	54.0	53.7
Lithuania	2514	17.5	22.7	45.8	8.9	5.1	45.8	0.4	0.2	4.5	44.5	47.4
Netherlands	1984	7.0	6.9	75.6	9.9	0.5	75.6	0.0	0.0	0.5	74.4	77.0
New Zealand	3666	17.0	10.0	67.8	4.6	0.6	67.8	0.0	0.0	0.6	64.7	70.6
Norway	3259	11.0	10.8	64.7	12.2	1.3	64.7	0.0	0.0	1.2	63.8	65.5
Philippines	5993	13.9	31.4	49.1	5.2	0.4	49.1	0.0	0.1	0.3	50.8	47.3
Portugal	3375	29.0	11.6	50.3	6.6	2.4	50.3	0.0	0.1	2.3	47.2	53.4
Romania	3721	16.4	10.1	65.5	3.7	4.3	65.5	2.4	0.2	1.7	62.2	68.9
Russian Federation	4017	9.7	23.3	63.8	0.9	2.3	63.8	0.3	0.4	1.5	61.2	66.6
Scotland	2853	12.7	10.6	66.3	9.2	1.2	66.3	0.1	0.0	1.1	64.3	68.4
Singapore	4644	6.5	5.7	86.4	1.1	0.3	86.4	0.0	0.0	0.3	86.3	86.6
Slovak Republic	3495	9.8	13.2	65.9	8.9	2.2	65.9	0.5	0.0	1.6	65.1	66.8
Slovenia	2707	14.8	12.8	65.4	6.0	1.0	65.4	0.2	0.0	0.8	61.0	70.0
South Africa	4491	15.6	18.1	51.1	12.7	2.5	51.1	0.4	0.5	1.6	47.1	55.7
Spain	3849	29.1	7.0	57.8	4.7	1.4	57.8	0.0	0.0	1.4	53.5	62.2
Sweden	4047	21.5	12.6	55.1	9.8	1.0	55.1	0.0	0.2	0.8	52.5	57.5
Switzerland	4854	15.0	18.7	57.7	6.4	2.3	57.7	0.2	0.0	2.0	55.7	59.6
Thailand	5850	9.9	12.5	73.2	4.1	0.4	73.2	0.0	0.0	0.4	73.1	73.2
United States	7045	16.9	12.1	65.3	4.3	1.2	65.3	0.1	0.2	1.0	62.3	68.2
INTERNATIONAL AVG	.	15.0	15.3	61.0	6.5	2.2	61.0	0.2	0.2	1.7	58.9	63.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A12 KEY: C
 Predict how river shape/speed changes due to terrain. (Earth Science)
 Difficulty: 534

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	7228	7.1	17.5	58.8	15.5	1.2	58.8	0.0	0.2	1.1	56.1	61.5
Austria	2772	6.4	16.2	65.1	11.2	1.1	65.1	0.0	0.1	1.0	62.5	67.6
Belgium (Fl)	2893	3.0	11.4	76.1	8.1	1.3	76.1	0.0	0.0	1.3	76.5	75.8
Belgium (Fr)	2578	8.5	22.5	50.3	12.8	5.9	50.3	0.2	0.4	5.3	47.6	53.0
Bulgaria	1973	4.5	12.6	70.8	8.5	3.5	70.8	1.1	0.0	2.4	71.4	70.2
Canada	8334	7.2	21.0	54.5	16.4	0.8	54.5	0.0	0.1	0.7	54.7	54.5
Colombia	2649	8.8	27.6	36.2	19.0	8.4	36.2	0.2	4.1	4.2	33.6	39.0
Cyprus	2921	11.2	31.5	38.1	16.4	2.8	38.1	0.2	0.1	2.5	38.2	38.3
Czech Republic	3319	3.6	11.9	77.1	6.4	1.0	77.1	0.1	0.2	0.7	74.4	79.7
Denmark	2292	4.4	14.9	63.4	12.0	5.3	63.4	0.7	0.4	4.3	62.0	65.0
England	1757	5.6	20.0	55.8	17.9	0.8	55.8	0.0	0.1	0.7	54.1	57.4
France	2994	6.1	15.3	57.7	18.2	2.6	57.7	0.7	0.1	1.9	56.9	59.3
Germany	2862	6.5	20.4	57.9	10.8	4.4	57.9	0.8	0.2	3.4	58.5	58.0
Greece	3972	8.3	23.4	53.9	11.4	3.0	53.9	0.0	0.2	2.8	51.0	56.5
Hong Kong	3338	14.2	27.0	38.0	19.6	1.1	38.0	0.0	0.0	1.1	35.9	39.9
Hungary	2912	3.1	14.4	70.9	9.6	2.0	70.9	0.0	0.2	1.8	68.5	73.3
Iceland	1761	6.4	18.7	60.4	13.7	0.9	60.4	0.0	0.2	0.7	57.8	62.7
Iran, Islamic Rep.	3683	8.5	20.4	46.7	23.5	1.0	46.7	0.0	0.1	0.9	37.8	53.6
Ireland	3071	3.8	18.8	66.9	9.8	0.7	66.9	0.3	0.1	0.3	63.7	70.0
Israel	1415	3.2	13.5	74.9	5.2	3.2	74.9	0.0	0.9	2.2	74.8	77.0
Japan	5137	3.3	8.7	83.6	4.3	0.1	83.6	0.0	0.0	0.1	82.6	84.4
Korea	2920	2.7	26.1	64.1	7.1	0.0	64.1	0.0	0.0	0.0	60.2	67.2
Kuwait	1655	11.3	41.3	24.4	19.9	3.2	24.4	0.0	0.2	3.0	23.9	24.9
Latvia (LSS)	2406	6.4	14.8	62.2	13.7	2.8	62.2	0.0	0.4	2.4	60.2	64.4
Lithuania	2512	8.3	22.8	46.0	18.2	4.8	46.0	0.2	0.3	4.2	40.8	52.2
Netherlands	1982	4.3	15.0	70.8	9.3	0.6	70.8	0.0	0.0	0.6	70.0	71.3
New Zealand	3666	8.8	17.8	55.2	17.4	0.8	55.2	0.1	0.0	0.7	51.0	59.0
Norway	3258	5.4	13.4	69.9	10.3	1.0	69.9	0.0	0.1	1.0	67.8	72.1
Philippines	5990	15.4	38.1	31.4	14.4	0.8	31.4	0.0	0.1	0.8	31.4	31.2
Portugal	3376	7.9	20.0	49.1	20.4	2.7	49.1	0.0	0.1	2.5	44.6	53.4
Romania	3720	5.1	8.3	71.6	9.2	5.7	71.6	3.7	0.3	1.8	69.4	73.9
Russian Federation	4013	1.7	4.4	82.3	9.7	2.1	82.3	0.2	0.5	1.4	80.6	84.1
Scotland	2853	6.2	20.4	52.3	20.1	0.9	52.3	0.1	0.0	0.8	50.9	53.7
Singapore	4644	6.4	23.7	60.1	8.9	0.8	60.1	0.0	0.0	0.8	57.8	62.4
Slovak Republic	3495	4.5	9.9	75.2	8.8	1.6	75.2	0.3	0.0	1.3	74.5	76.1
Slovenia	2707	4.9	10.4	73.7	10.0	1.0	73.7	0.1	0.0	0.9	69.1	78.4
South Africa	4491	10.2	35.9	29.4	21.4	3.1	29.4	0.4	0.5	2.2	27.5	31.4
Spain	3849	5.7	13.9	66.9	12.3	1.1	66.9	0.0	0.1	1.0	64.3	69.6
Sweden	4048	4.9	11.5	65.8	17.1	0.7	65.8	0.1	0.2	0.4	65.5	66.2
Switzerland	4854	5.2	16.5	66.8	9.8	1.7	66.8	0.2	0.0	1.5	66.3	67.3
Thailand	5850	1.8	21.1	67.8	8.6	0.6	67.8	0.0	0.0	0.6	69.3	65.7
United States	7045	7.3	19.5	53.9	17.9	1.4	53.9	0.1	0.2	1.2	53.0	54.7
INTERNATIONAL AVG	.	6.4	18.9	59.4	13.2	2.1	59.4	0.2	0.3	1.6	57.5	61.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B01 KEY: C
 Identify hottest layer of the Earth. (Earth Science)
 Difficulty: 313

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	3605	9.2	2.5	86.9	1.2	0.2	86.9	0.0	0.0	0.2	82.7	91.0
Austria	1403	4.4	1.4	92.5	0.6	1.1	92.5	0.0	0.0	1.1	90.4	94.7
Belgium (Fl)	1433	6.1	2.6	90.6	0.2	0.5	90.6	0.0	0.0	0.5	87.2	94.0
Belgium (Fr)	1299	11.8	2.9	82.1	1.0	2.1	82.1	0.0	0.1	2.0	78.7	85.1
Bulgaria	1148	2.9	1.4	94.9	0.3	0.5	94.9	0.0	0.0	0.5	95.4	94.2
Canada	4144	4.8	2.7	91.0	1.4	0.1	91.0	0.0	0.0	0.1	88.5	93.1
Colombia	1329	18.5	5.6	68.5	4.7	2.6	68.5	0.1	0.1	2.3	65.8	71.5
Cyprus	1422	12.3	6.1	77.8	2.3	1.4	77.8	0.1	0.0	1.3	75.8	79.9
Czech Republic	1668	1.5	0.8	96.9	0.5	0.4	96.9	0.2	0.0	0.1	95.7	98.0
Denmark	1136	3.8	2.6	92.0	0.9	0.8	92.0	0.1	0.2	0.5	87.6	96.1
England	888	5.7	2.4	90.7	0.9	0.3	90.7	0.0	0.0	0.3	87.9	93.3
France	1479	5.5	1.7	91.1	1.0	0.6	91.1	0.1	0.0	0.6	89.2	93.6
Germany	1436	3.6	1.6	93.1	0.8	0.9	93.1	0.0	0.1	0.7	91.3	95.0
Greece	1993	3.0	1.6	93.7	1.3	0.4	93.7	0.0	0.0	0.4	91.5	95.6
Hong Kong	1670	6.9	4.5	86.8	1.2	0.6	86.8	0.1	0.0	0.6	82.7	90.1
Hungary	1436	2.7	2.4	93.4	0.6	0.9	93.4	0.0	0.1	0.9	91.3	95.5
Iceland	873	5.8	3.2	89.1	1.2	0.7	89.1	0.0	0.0	0.7	87.9	90.2
Iran, Islamic Rep.	1831	16.2	6.0	72.7	3.6	1.6	72.7	0.9	0.0	0.7	67.5	76.9
Ireland	1526	3.8	1.2	93.8	0.6	0.5	93.8	0.2	0.0	0.2	92.9	94.8
Israel	686	16.5	4.1	75.3	3.2	0.8	75.3	0.0	0.2	0.6	69.1	82.8
Japan	2571	9.6	2.8	86.6	1.0	0.0	86.6	0.0	0.0	0.0	82.4	90.4
Korea	1448	9.3	5.6	84.1	1.1	0.0	84.1	0.0	0.0	0.0	77.0	90.0
Kuwait	811	11.3	11.6	71.3	2.7	3.1	71.3	0.3	0.0	2.9	71.5	71.1
Latvia (LSS)	1195	8.8	5.9	83.2	1.4	0.6	83.2	0.0	0.0	0.6	82.1	84.5
Lithuania	1250	10.3	3.2	83.8	1.0	1.7	83.8	0.2	0.1	1.4	80.1	88.6
Netherlands	984	6.3	1.0	91.7	0.5	0.4	91.7	0.0	0.0	0.4	87.5	96.0
New Zealand	1848	6.9	1.9	89.9	1.1	0.2	89.9	0.1	0.0	0.2	85.7	93.7
Norway	1619	3.2	2.6	92.8	0.7	0.6	92.8	0.0	0.0	0.6	90.9	94.8
Philippines	2991	18.3	6.9	66.3	7.6	0.9	66.3	0.0	0.0	0.9	64.8	68.1
Portugal	1695	5.5	1.6	90.6	1.6	0.7	90.6	0.0	0.1	0.7	87.3	93.9
Romania	1863	17.4	6.7	70.3	4.1	1.5	70.3	0.3	0.0	1.3	67.8	73.1
Russian Federation	1983	3.3	3.7	91.2	1.1	0.8	91.2	0.1	0.2	0.4	91.0	91.4
Scotland	1435	5.9	5.3	87.0	1.6	0.1	87.0	0.0	0.0	0.1	81.8	91.7
Singapore	2331	11.0	3.2	83.6	2.0	0.3	83.6	0.0	0.0	0.3	79.4	87.6
Slovak Republic	1746	4.0	1.3	93.0	1.5	0.2	93.0	0.1	0.0	0.1	92.4	93.8
Slovenia	1340	2.6	0.9	95.5	0.8	0.3	95.5	0.0	0.0	0.3	94.1	96.8
South Africa	2215	14.5	10.1	62.0	10.9	2.6	62.0	0.6	0.2	1.8	61.8	62.6
Spain	1902	6.1	2.2	89.9	1.5	0.4	89.9	0.0	0.0	0.4	86.8	93.1
Sweden	1992	2.2	1.4	95.2	0.8	0.4	95.2	0.1	0.0	0.3	93.8	96.6
Switzerland	2437	5.1	2.2	91.2	0.9	0.6	91.2	0.0	0.0	0.6	88.0	94.4
Thailand	2889	10.2	8.2	79.9	1.1	0.5	79.9	0.0	0.0	0.5	79.1	81.9
United States	3534	4.4	1.9	92.1	0.9	0.7	92.1	0.0	0.1	0.6	90.6	93.4
INTERNATIONAL AVG	.	7.6	3.5	86.3	1.7	0.8	86.3	0.1	0.0	0.7	83.7	88.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B02 KEY: B
 Know type of energy released from combustion engine. (Physics)
 Difficulty: 565

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	3605	27.3	56.5	7.7	7.8	0.7	56.5	0.0	0.0	0.6	54.6	58.4
Austria	1403	25.7	67.7	2.6	2.3	1.7	67.7	0.0	0.1	1.6	66.9	68.8
Belgium (Fl)	1433	27.4	52.7	9.5	9.0	1.4	52.7	0.0	0.0	1.4	48.4	57.0
Belgium (Fr)	1299	28.9	51.0	11.1	3.2	5.7	51.0	0.0	0.1	5.6	52.8	49.9
Bulgaria	1148	9.8	73.4	3.9	9.7	3.2	73.4	0.8	0.0	2.4	73.6	73.1
Canada	4144	23.7	62.9	8.9	4.2	0.3	62.9	0.1	0.0	0.2	64.0	62.2
Colombia	1329	29.0	43.0	9.4	14.1	4.5	43.0	0.4	0.1	4.0	45.6	39.9
Cyprus	1422	17.2	62.9	3.6	14.4	1.9	62.9	0.4	0.0	1.5	67.4	59.1
Czech Republic	1668	18.7	67.5	0.6	11.8	1.4	67.5	0.4	0.0	1.0	60.7	74.2
Denmark	1136	35.5	45.1	8.9	7.4	3.1	45.1	0.0	0.2	2.9	41.0	49.1
England	888	16.9	67.2	5.2	10.3	0.4	67.2	0.0	0.0	0.4	66.0	68.3
France	1479	28.4	55.5	11.4	2.7	2.0	55.5	0.2	0.0	1.9	53.9	57.7
Germany	1436	32.4	58.4	1.9	3.0	4.3	58.4	0.5	0.1	3.7	56.0	61.3
Greece	1993	19.3	67.2	2.3	9.8	1.4	67.2	0.2	0.0	1.2	71.1	63.9
Hong Kong	1670	40.4	45.7	5.6	7.6	0.7	45.7	0.1	0.0	0.6	47.0	44.7
Hungary	1436	16.7	65.1	0.8	13.9	3.4	65.1	0.0	0.1	3.3	61.6	68.8
Iceland	875	38.5	44.2	8.1	8.8	0.4	44.2	0.0	0.0	0.4	38.6	49.3
Iran, Islamic Rep.	1831	17.3	62.9	7.8	11.1	0.9	62.9	0.0	0.0	0.9	66.5	60.1
Ireland	1526	16.9	57.1	11.5	13.9	0.6	57.1	0.1	0.0	0.6	57.6	56.6
Israel	686	26.2	61.3	6.7	2.0	3.8	61.3	0.0	0.3	3.4	62.3	59.4
Japan	2571	28.7	61.8	6.5	2.7	0.2	61.8	0.1	0.0	0.1	62.5	61.2
Korea	1448	18.3	64.5	6.9	10.2	0.1	64.5	0.0	0.0	0.1	60.4	67.9
Kuwait	811	18.5	69.1	1.7	8.3	2.4	69.1	0.0	0.0	2.4	76.0	62.3
Latvia (LSS)	1196	14.6	55.2	7.3	19.6	3.2	55.2	0.0	0.0	3.2	58.3	52.0
Lithuania	1252	23.5	43.2	8.2	18.1	7.0	43.2	0.2	0.1	6.8	45.1	40.9
Netherlands	984	27.0	59.4	6.3	6.9	0.4	59.4	0.0	0.0	0.4	57.1	62.0
New Zealand	1848	20.5	57.6	12.8	8.7	0.5	57.6	0.1	0.0	0.4	55.9	59.1
Norway	1619	35.9	48.7	6.4	7.6	1.4	48.7	0.0	0.0	1.4	46.5	50.9
Philippines	2991	25.8	54.4	9.7	9.2	0.8	54.4	0.0	0.1	0.7	55.6	53.1
Portugal	1695	14.9	56.0	18.8	7.4	2.9	56.0	0.0	0.1	2.8	54.0	57.9
Romania	1864	20.3	56.9	5.2	11.9	5.7	56.9	2.1	0.1	3.5	58.5	55.1
Russian Federation	1983	11.7	70.0	4.6	10.4	3.3	70.0	0.5	0.2	2.5	71.8	67.9
Scotland	1435	28.1	53.2	8.0	9.9	0.8	53.2	0.2	0.0	0.6	51.7	54.8
Singapore	2331	29.8	57.9	5.8	6.0	0.6	57.9	0.0	0.0	0.6	59.9	55.8
Slovak Republic	1746	19.8	60.2	1.1	17.0	1.9	60.2	0.3	0.0	1.6	56.2	64.6
Slovenia	1340	16.4	65.8	5.7	10.0	2.1	65.8	0.4	0.0	1.7	62.5	69.2
South Africa	2215	25.2	39.7	12.1	20.3	2.8	39.7	0.3	0.2	2.2	39.0	40.7
Spain	1902	28.5	56.0	5.7	8.3	1.4	56.0	0.0	0.0	1.4	56.9	55.1
Sweden	1992	24.8	53.0	7.8	13.4	1.0	53.0	0.2	0.1	0.7	51.5	54.6
Switzerland	2438	33.7	50.2	7.2	5.9	3.1	50.2	0.4	0.0	2.7	49.0	51.3
Thailand	2889	22.9	60.8	5.2	10.3	0.8	60.8	0.0	0.0	0.8	63.0	57.1
United States	3534	30.1	59.5	7.3	2.3	0.8	59.5	0.0	0.1	0.7	60.5	58.6
INTERNATIONAL AVG	.	24.2	57.6	6.9	9.3	2.0	57.6	0.2	0.1	1.8	57.3	57.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B03 KEY: C
 Determine density from mass/volume table. (Physics)
 Difficulty: 734

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	3605	62.2	8.6	22.4	6.1	0.8	22.4	0.0	0.0	0.7	18.8	25.9
Austria	1403	52.0	7.2	30.6	7.6	2.6	30.6	0.0	0.1	2.5	25.8	35.3
Belgium (Fl)	1433	37.4	9.0	43.7	7.7	2.2	43.7	0.0	0.0	2.2	41.3	46.1
Belgium (Fr)	1299	68.4	6.0	18.7	3.5	3.5	18.7	0.1	0.1	3.3	16.2	20.7
Bulgaria	1148	37.7	5.3	48.7	3.3	4.9	48.7	0.3	0.0	4.6	48.0	49.8
Canada	4144	55.1	12.5	27.5	4.3	0.7	27.5	0.1	0.0	0.6	25.1	30.3
Colombia	1329	72.6	4.5	12.7	5.7	4.5	12.7	0.6	0.3	3.7	13.4	11.8
Cyprus	1422	61.7	11.2	19.2	4.3	3.6	19.2	0.2	0.0	3.4	15.0	23.0
Czech Republic	1668	52.0	6.2	35.7	3.6	2.5	35.7	0.4	0.0	2.1	31.4	39.9
Denmark	1136	59.2	9.4	21.1	3.7	6.6	21.1	0.8	0.2	5.6	15.2	25.6
England	888	65.3	7.4	21.6	4.7	1.0	21.6	0.0	0.0	1.0	15.2	27.7
France	1479	73.7	5.2	15.6	3.5	1.9	15.6	0.1	0.0	1.8	12.1	18.7
Germany	1435	43.9	9.7	32.6	6.4	7.4	32.6	0.2	0.2	7.0	29.4	36.4
Greece	1993	62.0	7.6	22.8	5.7	2.0	22.8	0.1	0.0	1.9	20.5	24.9
Hong Kong	1670	34.8	10.1	48.7	6.2	0.2	48.7	0.1	0.0	0.1	43.6	52.9
Hungary	1436	49.5	5.9	36.6	4.7	3.3	36.6	0.0	0.1	3.2	32.2	41.1
Iceland	875	30.4	11.4	50.5	7.2	0.5	50.5	0.0	0.0	0.5	50.0	50.9
Iran, Islamic Rep.	1833	59.4	11.2	16.7	7.8	4.9	16.7	0.6	0.0	4.3	16.8	16.7
Ireland	1526	61.4	7.1	24.5	6.0	1.0	24.5	0.2	0.0	0.8	23.0	25.9
Israel	686	34.6	18.8	38.3	5.7	2.6	38.3	0.0	0.3	2.3	35.0	43.1
Japan	2571	36.6	12.5	41.2	9.4	0.2	41.2	0.1	0.0	0.1	36.6	45.4
Korea	1448	38.0	7.0	44.8	10.1	0.1	44.8	0.0	0.0	0.1	43.2	46.2
Kuwait	811	67.7	8.0	16.9	3.7	3.8	16.9	0.0	0.0	3.8	15.7	18.0
Latvia (LSS)	1198	49.0	6.6	33.6	5.7	5.1	33.6	0.0	0.1	5.0	30.4	37.1
Lithuania	1250	51.0	6.8	30.7	4.4	7.1	30.7	0.2	0.1	6.9	29.9	31.6
Netherlands	984	43.8	12.0	36.7	6.5	1.1	36.7	0.0	0.0	1.1	31.2	42.1
New Zealand	1848	69.7	7.1	17.2	5.4	0.6	17.2	0.0	0.0	0.6	14.1	20.1
Norway	1619	43.5	12.3	36.8	5.9	1.6	36.8	0.0	0.0	1.6	30.1	43.3
Philippines	2992	76.5	7.0	12.4	4.0	0.1	12.4	0.0	0.1	0.0	10.6	14.5
Portugal	1695	66.6	7.9	17.1	4.3	4.0	17.1	0.0	0.1	4.0	15.3	19.0
Romania	1867	57.1	4.6	28.7	4.0	5.6	28.7	1.3	0.1	4.3	27.6	29.8
Russian Federation	1983	49.9	5.6	34.6	6.2	3.8	34.6	0.1	0.3	3.3	33.8	35.4
Scotland	1435	66.5	7.4	20.7	4.5	0.9	20.7	0.1	0.0	0.8	18.4	23.0
Singapore	2331	37.3	7.7	49.5	5.0	0.5	49.5	0.0	0.0	0.5	45.4	53.5
Slovak Republic	1747	50.4	4.2	37.2	5.9	2.3	37.2	0.5	0.0	1.8	36.3	38.1
Slovenia	1340	50.0	6.7	35.6	5.3	2.5	35.6	0.1	0.0	2.4	29.5	41.9
South Africa	2215	57.8	12.0	18.4	9.1	2.8	18.4	0.5	0.3	2.0	19.6	17.5
Spain	1902	70.9	5.0	14.5	6.2	3.4	14.5	0.0	0.1	3.3	13.8	15.2
Sweden	1992	56.5	9.4	24.9	7.4	1.7	24.9	0.1	0.1	1.5	20.7	29.0
Switzerland	2437	57.6	7.7	25.7	5.3	3.8	25.7	0.1	0.1	3.6	19.9	31.5
Thailand	2889	59.1	6.8	29.0	4.5	0.7	29.0	0.0	0.1	0.7	29.9	27.7
United States	3534	64.8	9.3	19.3	5.7	0.9	19.3	0.0	0.1	0.8	16.2	22.2
INTERNATIONAL AVG	.	54.6	8.3	28.9	5.6	2.6	28.9	0.2	0.1	2.4	26.1	31.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B04 KEY: C
 Predict pulse/breathing rate change after exercise. (Life Science)
 Difficulty: 293

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	0.9	2.3	93.2	2.6	0.8	0.2	93.2	0.0	0.1	0.2	94.6	91.9
Austria	1403	0.4	2.5	93.5	2.3	0.3	1.0	93.5	0.0	0.1	0.9	95.0	91.9
Belgium (Fl)	1433	2.1	0.9	91.8	4.5	0.4	0.3	91.8	0.0	0.0	0.3	90.6	92.9
Belgium (Fr)	1299	1.5	4.8	89.8	2.0	1.0	1.0	89.8	0.0	0.1	0.9	91.4	88.5
Bulgaria	1148	1.0	2.2	93.2	1.9	0.4	1.3	93.2	0.1	0.0	1.2	93.7	92.5
Canada	4144	0.8	2.3	93.9	1.8	0.9	0.2	93.9	0.0	0.0	0.2	94.5	93.3
Colombia	1329	6.0	6.6	73.8	7.5	3.6	2.5	73.8	0.2	0.4	1.9	72.1	76.0
Cyprus	1422	2.1	2.9	90.5	2.6	1.2	0.8	90.5	0.3	0.0	0.5	91.5	89.8
Czech Republic	1668	0.5	3.4	93.5	0.8	1.2	0.6	93.5	0.2	0.0	0.4	93.6	93.4
Denmark	1136	0.8	5.3	90.8	1.8	0.6	0.7	90.8	0.0	0.2	0.5	89.2	92.3
England	888	0.6	1.1	95.8	2.0	0.3	0.1	95.8	0.0	0.0	0.1	96.5	95.2
France	1479	0.6	3.1	92.6	2.8	0.5	0.5	92.6	0.1	0.0	0.4	93.4	91.9
Germany	1435	0.9	2.3	93.3	1.7	0.7	1.1	93.3	0.2	0.2	0.7	93.9	92.8
Greece	1993	2.7	4.2	89.7	2.0	0.8	0.7	89.7	0.1	0.0	0.5	88.1	91.0
Hong Kong	1670	1.5	2.6	92.9	1.9	0.9	0.1	92.9	0.0	0.1	0.1	93.0	92.8
Hungary	1436	1.7	1.7	89.5	3.8	2.6	0.7	89.5	0.0	0.1	0.5	89.4	89.7
Iceland	875	1.0	2.7	92.5	2.2	1.4	0.2	92.5	0.0	0.0	0.2	93.5	91.6
Iran, Islamic Rep.	1833	1.8	6.0	81.2	4.5	5.5	1.0	81.2	0.5	0.0	0.4	78.7	83.1
Ireland	1526	1.4	1.8	93.9	2.3	0.4	0.2	93.9	0.1	0.0	0.1	94.9	93.0
Israel	686	1.9	4.8	90.7	1.4	0.5	0.8	90.7	0.0	0.4	0.3	89.7	92.8
Japan	2571	0.3	2.5	96.3	0.4	0.4	0.1	96.3	0.1	0.0	0.0	96.5	96.2
Korea	1448	1.5	4.1	91.9	2.1	0.4	0.0	91.9	0.0	0.0	0.0	91.3	92.4
Kuwait	811	2.9	8.3	81.9	4.3	0.1	2.4	81.9	0.0	0.0	2.4	88.6	75.3
Latvia (LSS)	1198	1.2	4.5	89.3	2.7	1.5	0.9	89.3	0.0	0.1	0.8	87.3	91.2
Lithuania	1250	1.4	3.8	90.7	1.7	1.5	0.9	90.7	0.0	0.1	0.9	89.4	92.4
Netherlands	984	0.8	1.1	94.6	2.8	0.5	0.2	94.6	0.0	0.0	0.2	94.8	94.2
New Zealand	1848	1.0	2.1	92.6	2.9	1.0	0.5	92.6	0.0	0.0	0.5	92.5	92.7
Norway	1619	0.5	3.7	93.0	1.6	0.7	0.4	93.0	0.0	0.0	0.4	94.7	91.4
Philippines	2992	11.2	15.3	58.6	9.2	5.3	0.5	58.6	0.2	0.1	0.2	61.2	55.5
Portugal	1695	0.6	2.6	94.3	0.8	0.9	0.9	94.3	0.0	0.1	0.8	92.5	96.0
Romania	1867	3.9	3.6	82.9	3.0	3.7	2.8	82.9	0.7	0.1	2.0	81.9	84.1
Russian Federation	1983	1.5	3.4	89.6	2.7	1.2	1.6	89.6	0.1	0.4	1.2	89.1	90.0
Scotland	1435	0.6	1.4	94.8	2.9	0.2	0.1	94.8	0.1	0.0	0.1	95.3	94.6
Singapore	2331	0.5	1.6	96.7	0.8	0.3	0.1	96.7	0.0	0.0	0.1	97.3	96.2
Slovak Republic	1747	1.5	1.9	92.2	2.4	1.2	0.7	92.2	0.1	0.0	0.6	91.3	93.1
Slovenia	1340	0.4	3.4	94.7	0.7	0.6	0.3	94.7	0.1	0.0	0.2	94.7	94.6
South Africa	2215	12.8	14.0	39.9	11.6	17.6	4.1	39.9	0.4	0.3	3.4	37.2	42.7
Spain	1902	1.5	1.7	94.1	1.7	0.4	0.6	94.1	0.0	0.1	0.5	94.3	93.9
Sweden	1992	0.5	2.5	94.7	0.9	0.7	0.7	94.7	0.1	0.1	0.5	94.8	94.7
Switzerland	2437	0.8	3.6	90.9	2.9	0.9	0.9	90.9	0.1	0.1	0.8	91.6	90.1
Thailand	2889	1.3	4.7	91.1	1.5	1.0	0.4	91.1	0.0	0.1	0.3	91.7	89.8
United States	3534	1.9	2.4	91.1	2.9	0.9	0.9	91.1	0.0	0.1	0.8	92.2	90.0
INTERNATIONAL AVG	.	1.9	3.7	89.3	2.7	1.5	0.8	89.3	0.1	0.1	0.6	89.5	89.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B05 KEY: A
 Use elevation/weather diagram to locate earth feature. (Earth Science)
 Difficulty: 592

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	49.0	8.6	4.3	16.5	20.9	0.7	49.0	0.0	0.1	0.7	49.1	49.1
Austria	1403	54.6	6.2	4.2	21.4	11.8	1.6	54.6	0.0	0.1	1.5	51.3	58.4
Belgium (Fl)	1433	49.5	19.3	4.3	15.3	10.6	1.1	49.5	0.0	0.0	1.1	50.0	49.0
Belgium (Fr)	1299	43.7	6.1	4.1	19.6	23.6	2.9	43.7	0.1	0.1	2.7	42.6	45.0
Bulgaria	1148	54.5	8.7	2.7	9.9	19.0	5.3	54.5	0.9	0.0	4.4	54.2	54.9
Canada	4144	52.5	8.7	3.5	18.5	16.5	0.3	52.5	0.0	0.0	0.3	52.4	53.3
Colombia	1329	43.1	17.0	7.0	9.0	19.2	4.7	43.1	0.4	0.4	3.9	44.5	41.3
Cyprus	1422	40.2	8.2	8.7	15.1	25.1	2.7	40.2	0.5	0.0	2.2	38.7	41.9
Czech Republic	1667	58.4	10.7	3.1	10.8	16.0	1.0	58.4	0.3	0.0	0.6	57.6	59.2
Denmark	1136	47.3	8.3	5.8	19.6	14.9	4.0	47.3	0.6	0.2	3.2	47.2	47.5
England	888	46.9	7.0	4.0	24.8	16.7	0.6	46.9	0.0	0.0	0.6	45.7	48.1
France	1479	46.2	4.3	3.3	19.1	25.4	1.7	46.2	0.5	0.0	1.3	47.4	45.4
Germany	1435	55.7	8.9	4.1	14.8	12.5	4.1	55.7	1.1	0.2	2.8	57.0	55.3
Greece	1993	47.1	4.1	5.1	12.4	29.1	2.2	47.1	0.3	0.0	1.9	47.0	47.2
Hong Kong	1669	42.5	32.6	1.8	8.6	14.1	0.4	42.5	0.0	0.1	0.4	40.3	44.3
Hungary	1436	68.4	5.7	3.6	9.8	10.3	2.2	68.4	0.0	0.1	2.0	66.3	70.5
Iceland	875	57.8	8.5	7.0	14.9	11.2	0.7	57.8	0.2	0.0	0.6	57.7	57.9
Iran, Islamic Rep.	1833	30.6	17.4	7.0	17.7	25.4	1.9	30.6	0.5	0.0	1.4	29.7	31.2
Ireland	1526	50.4	4.7	3.2	26.0	14.7	1.0	50.4	0.3	0.0	0.7	50.2	50.6
Israel	499	60.3	5.8	5.0	12.2	12.8	3.9	60.3	0.0	0.6	3.3	60.4	61.3
Japan	2571	55.7	15.0	1.4	13.3	14.3	0.2	55.7	0.1	0.0	0.1	51.6	59.5
Korea	1448	54.2	11.7	3.8	8.4	21.7	0.2	54.2	0.0	0.0	0.2	50.0	57.7
Kuwait	811	35.6	10.8	12.0	16.0	23.1	2.5	35.6	0.0	0.0	2.5	38.2	33.1
Latvia (LSS)	1198	51.6	14.9	3.8	10.1	15.9	3.7	51.6	0.0	0.1	3.7	53.2	49.7
Lithuania	1252	46.5	9.2	5.1	6.5	28.5	4.2	46.5	0.9	0.1	3.2	43.3	50.7
Netherlands	984	62.4	9.2	4.8	10.3	12.9	0.4	62.4	0.0	0.0	0.4	59.6	65.9
New Zealand	1848	52.5	9.4	6.4	16.6	14.6	0.5	52.5	0.2	0.0	0.4	52.4	52.6
Norway	1619	50.0	6.6	5.2	21.9	14.9	1.4	50.0	0.0	0.0	1.4	47.3	52.7
Philippines	2992	40.9	10.0	8.3	17.6	22.8	0.4	40.9	0.0	0.1	0.3	39.6	42.6
Portugal	1695	54.3	7.2	5.3	14.1	16.6	2.5	54.3	0.0	0.1	2.4	53.1	55.6
Romania	1862	43.8	7.1	4.1	12.8	26.7	5.5	43.8	2.4	0.1	3.1	43.1	44.6
Russian Federation	1983	49.8	8.4	4.2	10.4	23.1	4.0	49.8	0.3	0.4	3.3	50.6	49.0
Scotland	1435	41.8	10.5	5.5	22.4	19.0	0.8	41.8	0.2	0.0	0.6	40.9	42.8
Singapore	2331	32.0	14.0	6.4	16.3	30.6	0.5	32.0	0.0	0.0	0.5	33.4	30.7
Slovak Republic	1746	63.5	8.9	3.0	10.1	12.3	2.2	63.5	0.4	0.0	1.8	62.6	64.4
Slovenia	1340	66.3	4.4	1.5	8.5	17.6	1.6	66.3	0.3	0.0	1.4	65.7	66.9
South Africa	2215	34.4	7.4	8.2	16.7	30.4	2.9	34.4	0.4	0.3	2.2	36.1	32.8
Spain	1902	43.3	7.0	4.7	9.4	34.1	1.6	43.3	0.0	0.1	1.6	42.7	43.8
Sweden	1992	55.4	9.8	3.9	9.2	20.5	1.1	55.4	0.2	0.1	0.9	54.5	56.3
Switzerland	2438	57.9	5.8	3.1	18.5	12.6	1.9	57.9	0.5	0.1	1.4	55.9	59.9
Thailand	2889	40.3	5.6	4.3	13.1	36.1	0.5	40.3	0.0	0.1	0.5	39.5	41.7
United States	3534	48.1	8.6	8.5	20.8	13.2	0.7	48.1	0.0	0.1	0.6	46.1	50.0
INTERNATIONAL AVG	.	49.5	9.6	4.9	14.7	19.3	2.0	49.5	0.3	0.1	1.6	48.8	50.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B06 KEY: A
 Relate color of object to amount of light reflection. (Physics)
 Difficulty: 352

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	3605	89.2	2.7	6.7	1.1	0.3	89.2	0.0	0.1	0.3	88.9	89.4
Austria	1403	90.6	1.1	7.2	0.4	0.8	90.6	0.0	0.1	0.7	90.7	90.6
Belgium (Fl)	1433	95.2	1.1	2.8	0.7	0.2	95.2	0.0	0.0	0.2	94.8	95.6
Belgium (Fr)	1299	88.1	2.8	6.4	1.3	1.5	88.1	0.0	0.1	1.4	88.6	88.3
Bulgaria	1148	86.4	3.3	7.1	2.2	1.0	86.4	0.3	0.0	0.7	87.2	85.7
Canada	4144	80.3	3.0	14.2	2.1	0.4	80.3	0.1	0.0	0.3	78.6	81.9
Colombia	1329	73.8	13.5	2.8	6.9	2.9	73.8	0.4	1.0	1.5	76.9	70.7
Cyprus	1422	69.4	12.7	14.0	2.6	1.2	69.4	0.2	0.0	1.0	70.8	68.5
Czech Republic	1668	92.0	1.0	6.1	0.6	0.2	92.0	0.2	0.0	0.1	91.6	92.4
Denmark	1136	79.8	8.9	7.3	3.0	1.0	79.8	0.0	0.2	0.7	77.8	81.7
England	888	86.7	3.7	8.8	0.6	0.3	86.7	0.0	0.0	0.3	84.1	89.1
France	1479	86.9	2.1	9.0	1.5	0.5	86.9	0.2	0.0	0.3	86.5	87.2
Germany	1436	90.7	2.2	4.7	1.2	1.2	90.7	0.4	0.2	0.6	92.2	89.4
Greece	1993	83.0	3.6	12.0	1.2	0.2	83.0	0.0	0.0	0.1	84.6	81.6
Hong Kong	1670	86.9	2.6	8.7	1.6	0.2	86.9	0.0	0.1	0.2	84.4	88.9
Hungary	1435	93.8	1.8	2.0	1.7	0.7	93.8	0.0	0.1	0.6	95.3	92.2
Iceland	875	83.8	4.7	6.5	4.4	0.7	83.8	0.0	0.0	0.7	83.1	84.4
Iran, Islamic Rep.	1833	86.9	3.6	1.5	7.4	0.7	86.9	0.4	0.0	0.3	88.9	85.4
Ireland	1526	82.1	2.7	13.0	1.8	0.3	82.1	0.1	0.0	0.1	79.6	84.5
Israel	686	91.9	1.9	2.8	2.5	1.0	91.9	0.0	0.4	0.5	93.4	91.3
Japan	2571	85.7	2.6	9.9	1.7	0.1	85.7	0.0	0.0	0.0	84.4	87.0
Korea	1448	77.8	8.9	10.8	2.2	0.2	77.8	0.0	0.0	0.2	73.2	81.7
Kuwait	811	70.0	6.7	18.0	4.2	1.2	70.0	0.0	0.1	1.1	65.1	74.8
Latvia (LSS)	1198	82.2	5.9	6.7	4.4	0.7	82.2	0.0	0.1	0.6	83.2	81.1
Lithuania	1252	79.8	5.5	6.1	7.3	1.3	79.8	0.6	0.1	0.7	76.8	83.6
Netherlands	984	93.0	2.3	4.4	0.1	0.1	93.0	0.0	0.0	0.1	91.8	94.1
New Zealand	1848	82.6	3.7	12.0	1.5	0.2	82.6	0.1	0.0	0.1	80.9	84.1
Norway	1619	82.0	4.8	9.6	2.9	0.7	82.0	0.0	0.0	0.7	81.2	82.9
Philippines	2992	76.7	10.7	6.6	5.8	0.2	76.7	0.0	0.1	0.1	77.1	76.0
Portugal	1695	80.4	6.6	9.8	1.9	1.3	80.4	0.0	0.2	1.1	79.9	80.9
Romania	1863	85.7	1.9	6.9	2.8	2.7	85.7	1.4	0.1	1.2	84.6	86.9
Russian Federation	1983	89.2	1.6	4.6	3.6	1.0	89.2	0.0	0.4	0.6	86.8	92.0
Scotland	1435	83.3	2.4	13.0	1.0	0.2	83.3	0.2	0.0	0.1	78.4	88.1
Singapore	2331	93.7	2.3	3.3	0.6	0.1	93.7	0.0	0.0	0.1	93.7	93.8
Slovak Republic	1747	92.7	2.3	3.7	0.9	0.4	92.7	0.1	0.0	0.3	91.6	93.8
Slovenia	1340	91.2	3.0	4.7	1.1	0.1	91.2	0.1	0.0	0.0	89.2	93.2
South Africa	2215	70.9	9.4	11.1	6.4	2.3	70.9	0.5	0.4	1.4	68.1	74.2
Spain	1902	87.0	4.8	6.8	0.8	0.7	87.0	0.0	0.1	0.6	88.7	85.1
Sweden	1992	81.7	3.4	12.7	1.7	0.4	81.7	0.0	0.1	0.3	79.4	83.9
Switzerland	2438	87.7	2.7	7.7	1.5	0.4	87.7	0.0	0.1	0.4	87.7	87.8
Thailand	2889	71.3	20.8	2.4	5.2	0.4	71.3	0.0	0.1	0.3	71.8	70.4
United States	3534	82.8	3.4	11.8	1.4	0.6	82.8	0.1	0.1	0.5	83.1	82.5
INTERNATIONAL AVG	.	84.4	4.6	7.8	2.5	0.7	84.4	0.1	0.1	0.5	83.7	85.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C07 KEY: B
 Relate mountain shape to age. (Earth Science)
 Difficulty: 659

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	11.4	37.3	31.4	18.6	1.4	37.3	0.0	0.1	1.2	31.8	42.7
Austria	1045	14.1	31.7	35.7	16.7	1.8	31.7	0.0	0.1	1.7	27.4	35.6
Belgium (Fl)	1086	10.3	68.7	12.5	8.1	0.5	68.7	0.0	0.1	0.4	63.9	73.7
Belgium (Fr)	952	13.4	44.2	18.3	20.2	3.9	44.2	0.6	0.4	2.8	41.9	46.3
Bulgaria	671	10.1	50.0	30.6	7.1	2.2	50.0	0.7	0.2	1.3	48.1	52.3
Canada	3146	11.4	37.4	28.8	21.3	1.0	37.4	0.5	0.0	0.5	33.4	41.6
Colombia	977	11.0	6.9	35.9	38.0	8.2	6.9	0.3	3.0	4.9	5.5	8.4
Cyprus	1143	12.9	22.4	34.5	27.2	3.0	22.4	0.6	0.2	2.3	17.8	26.9
Czech Republic	1247	16.2	53.3	24.1	5.8	0.6	53.3	0.1	0.2	0.3	48.5	57.9
Denmark	834	11.5	37.9	29.5	17.6	3.6	37.9	0.6	0.7	2.3	30.2	46.3
England	649	12.1	35.7	26.8	22.9	2.5	35.7	0.0	0.2	2.3	34.2	36.9
France	1106	12.8	70.8	7.1	7.3	1.9	70.8	1.1	0.2	0.6	65.3	76.3
Germany	1071	17.3	27.9	38.3	14.3	2.2	27.9	1.1	0.5	0.5	25.5	30.5
Greece	1484	14.4	25.6	39.5	19.1	1.5	25.6	0.6	0.4	0.4	22.1	28.6
Hong Kong	1245	18.4	25.2	41.2	14.5	0.7	25.2	0.1	0.0	0.6	19.7	29.9
Hungary	1119	4.4	63.9	15.1	13.1	3.5	63.9	0.0	0.2	3.3	61.6	66.3
Iceland	678	6.5	15.5	59.7	17.2	1.0	15.5	0.4	0.0	0.6	9.2	21.6
Iran, Islamic Rep.	1400	5.2	54.3	20.8	17.0	2.6	54.3	1.8	0.2	0.6	47.1	59.8
Ireland	1152	15.9	40.0	24.7	17.3	2.0	40.0	1.8	0.1	0.1	39.1	40.9
Israel	534	12.0	27.6	49.8	6.5	4.0	27.6	0.0	0.9	3.1	24.3	31.3
Japan	1945	16.2	34.2	34.8	14.5	0.3	34.2	0.2	0.1	0.0	32.6	35.7
Korea	1102	9.4	57.5	17.5	15.7	0.0	57.5	0.0	0.0	0.0	58.2	56.9
Kuwait	632	17.7	18.1	28.8	30.3	5.0	18.1	0.0	1.0	4.1	10.6	25.2
Latvia (LSS)	894	7.1	37.6	38.1	15.2	2.1	37.6	0.0	0.7	1.4	31.3	44.5
Lithuania	928	7.3	41.1	34.7	12.0	5.0	41.1	1.4	1.1	2.5	35.5	47.5
Netherlands	732	15.8	34.8	34.3	13.9	1.3	34.8	0.0	0.1	1.1	29.1	40.1
New Zealand	1373	11.1	24.1	36.8	26.4	1.5	24.1	1.0	0.0	0.5	16.5	31.1
Norway	1225	11.5	53.9	23.5	8.8	2.3	53.9	0.0	0.1	2.2	49.8	58.1
Philippines	2256	14.3	10.0	49.9	25.0	0.8	10.0	0.0	0.4	0.4	7.3	13.3
Portugal	1262	10.5	36.7	21.6	28.4	2.8	36.7	0.0	0.7	2.1	32.9	40.5
Romania	1391	5.1	57.8	20.2	10.4	6.4	57.8	4.9	0.6	1.0	55.0	60.6
Russian Federation	1526	10.2	55.3	20.5	10.7	3.3	55.3	0.7	0.8	1.8	50.8	60.0
Scotland	1054	12.5	25.0	33.6	26.9	2.0	25.0	2.0	0.0	0.0	21.1	28.7
Singapore	1755	13.3	30.0	28.1	28.2	0.4	30.0	0.0	0.0	0.4	31.5	28.7
Slovak Republic	1325	12.9	48.3	30.8	5.9	2.1	48.3	0.3	0.5	1.4	42.1	54.7
Slovenia	1005	19.4	50.2	20.6	8.6	1.1	50.2	0.3	0.0	0.8	42.6	58.4
South Africa	1729	22.1	14.2	32.5	27.3	3.8	14.2	1.0	0.9	1.9	12.9	16.3
Spain	1450	10.7	58.1	13.5	15.4	2.3	58.1	0.0	0.2	2.1	56.6	59.7
Sweden	1523	9.8	62.4	17.1	9.6	1.1	62.4	0.4	0.1	0.6	59.7	64.9
Switzerland	1832	10.0	30.3	34.6	22.4	2.7	30.3	1.7	0.1	1.0	27.9	32.3
Thailand	2241	12.6	32.0	43.9	10.7	0.7	32.0	0.0	0.1	0.6	31.8	32.4
United States	2661	16.3	43.0	26.9	12.9	0.9	43.0	0.1	0.1	0.6	41.4	44.6
INTERNATIONAL AVG	.	12.3	38.8	29.7	16.9	2.3	38.8	0.6	0.4	1.3	35.1	42.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C08 KEY: D
 Identify carrier of signals from eye to brain. (Life Science)
 Difficulty: 451

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2687	6.1	4.2	2.9	79.8	6.1	0.9	79.8	0.0	0.2	0.7	79.0	80.6
Austria	1045	6.0	1.9	3.1	85.5	1.8	1.7	85.5	0.0	0.1	1.6	84.8	86.8
Belgium (Fl)	1086	4.0	1.9	2.9	85.7	5.0	0.5	85.7	0.0	0.1	0.4	84.9	86.6
Belgium (Fr)	952	5.8	8.0	4.9	73.3	5.1	2.9	73.3	0.1	0.5	2.2	71.8	74.6
Bulgaria	671	6.1	3.2	2.8	84.9	0.8	2.1	84.9	0.3	0.4	1.3	82.3	87.6
Canada	3146	12.4	12.7	3.0	65.5	5.1	1.4	65.5	0.1	0.0	1.2	63.9	66.8
Colombia	977	11.1	6.3	2.0	65.4	6.5	8.8	65.4	0.2	3.4	5.2	62.2	69.1
Cyprus	1143	12.3	11.6	6.1	60.7	6.4	3.0	60.7	0.1	0.3	2.6	65.3	56.0
Czech Republic	1247	2.5	5.5	1.9	85.9	3.3	0.9	85.9	0.1	0.2	0.6	84.7	86.9
Denmark	834	17.5	6.7	4.3	55.1	11.1	5.3	55.1	0.3	0.9	4.0	53.3	57.5
England	649	6.3	4.4	1.8	79.6	6.9	0.9	79.6	0.0	0.2	0.7	80.5	78.8
France	1106	8.8	5.8	5.3	70.7	6.7	2.7	70.7	0.3	0.2	2.2	68.3	72.9
Germany	1071	9.3	2.7	2.7	79.0	3.3	3.1	79.0	0.4	0.5	2.1	79.1	79.6
Greece	1484	15.2	10.6	5.7	63.2	3.8	1.6	63.2	0.2	0.4	0.9	60.4	65.7
Hong Kong	1245	2.0	3.3	0.9	92.4	0.8	0.6	92.4	0.0	0.0	0.6	93.9	91.2
Hungary	1119	6.2	2.7	1.2	86.0	3.0	0.9	86.0	0.0	0.2	0.8	86.6	85.3
Iceland	678	4.3	0.4	3.6	83.1	7.7	0.9	83.1	0.1	0.0	0.8	79.9	86.1
Iran, Islamic Rep.	1400	3.4	1.6	2.6	84.3	6.9	1.2	84.3	0.0	0.2	1.0	84.3	84.2
Ireland	1152	11.5	6.9	4.7	71.8	4.9	0.2	71.8	0.0	0.1	0.1	71.8	71.8
Israel	534	8.0	8.9	4.1	72.1	3.8	3.0	72.1	0.0	1.1	1.9	73.0	71.8
Japan	1945	1.5	5.1	0.6	91.6	1.0	0.2	91.6	0.0	0.1	0.1	92.0	91.2
Korea	1102	2.5	4.0	1.6	89.8	2.0	0.1	89.8	0.0	0.0	0.1	92.2	88.0
Kuwait	632	7.5	10.1	3.5	60.3	14.1	4.5	60.3	0.0	1.0	3.5	64.5	56.3
Latvia (LSS)	895	13.7	4.4	3.7	71.8	2.4	4.0	71.8	0.0	0.7	3.3	72.5	71.1
Lithuania	928	13.8	9.5	1.8	61.4	2.6	10.8	61.4	0.1	1.3	9.4	61.6	61.3
Netherlands	732	0.7	2.0	2.7	90.8	2.9	1.0	90.8	0.0	0.1	0.8	89.9	91.3
New Zealand	1373	13.0	4.9	2.9	71.0	7.1	1.1	71.0	0.4	0.0	0.7	69.9	72.1
Norway	1225	22.9	3.8	4.6	51.4	14.0	3.4	51.4	0.0	0.3	3.1	48.9	54.0
Philippines	2256	15.6	16.0	6.3	46.1	14.8	1.2	46.1	0.0	0.5	0.6	49.2	42.6
Portugal	1262	11.0	8.2	4.4	62.9	10.3	3.2	62.9	0.0	0.7	2.6	59.5	66.2
Romania	1395	10.3	4.9	3.2	71.9	4.5	5.2	71.9	2.3	0.7	2.1	71.8	71.9
Russian Federation	1526	13.0	1.9	2.1	76.4	2.6	3.9	76.4	0.1	0.9	2.9	77.7	75.0
Scotland	1054	13.0	5.4	4.1	70.5	6.3	0.7	70.5	0.2	0.0	0.5	70.5	70.7
Singapore	1755	4.1	5.2	1.6	85.1	3.8	0.1	85.1	0.0	0.0	0.1	85.4	84.8
Slovak Republic	1325	4.3	3.2	1.0	86.6	2.3	2.7	86.6	0.1	0.5	2.1	88.4	84.7
Slovenia	1006	9.0	4.3	1.9	75.9	7.4	1.5	75.9	0.1	0.0	1.4	73.8	78.1
South Africa	1729	8.9	14.5	20.9	36.5	15.7	3.5	36.5	0.6	1.0	1.9	32.8	40.4
Spain	1450	10.7	4.1	0.8	79.6	3.6	1.3	79.6	0.0	0.2	1.1	77.6	81.5
Sweden	1523	12.9	2.3	2.7	68.7	12.2	1.1	68.7	0.0	0.1	1.0	66.7	70.7
Switzerland	1832	19.5	7.7	2.7	61.1	6.9	2.1	61.1	0.2	0.2	1.7	62.3	60.1
Thailand	2241	1.5	3.1	0.8	92.8	0.7	1.1	92.8	0.0	0.1	1.0	93.4	91.7
United States	2661	4.2	4.6	2.4	83.4	4.1	1.3	83.4	0.0	0.2	1.1	83.1	83.8
INTERNATIONAL AVG	.	8.9	5.7	3.4	74.0	5.7	2.3	74.0	0.2	0.4	1.7	73.7	74.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C09 KEY: B
 Identify correct position of reflected image. (Physics)
 Difficulty: 441

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	4.8	75.8	4.8	14.3	0.4	75.8	0.0	0.2	0.2	73.1	78.5
Austria	1045	5.1	71.9	3.7	18.3	1.0	71.9	0.0	0.1	0.8	70.2	73.4
Belgium (Fl)	1086	3.8	85.0	4.4	6.5	0.2	85.0	0.0	0.1	0.2	82.8	87.3
Belgium (Fr)	952	2.4	81.7	2.1	11.6	2.2	81.7	0.4	0.5	1.3	80.2	83.6
Bulgaria	671	4.3	74.6	7.1	12.3	1.6	74.6	0.4	0.4	0.8	75.0	74.7
Canada	3146	4.2	76.0	4.3	14.9	0.5	76.0	0.0	0.0	0.5	74.3	78.3
Colombia	977	7.0	48.9	12.5	24.6	6.9	48.9	0.2	3.5	3.3	44.8	53.3
Cyprus	1143	8.4	59.0	6.4	24.3	1.8	59.0	0.2	0.3	1.4	56.2	61.8
Czech Republic	1241	4.1	76.1	4.7	14.3	0.9	76.1	0.1	0.3	0.4	71.3	80.6
Denmark	834	4.9	75.3	3.7	14.1	2.1	75.3	0.5	0.9	0.7	72.8	78.1
England	649	2.9	83.5	2.6	10.7	0.3	83.5	0.0	0.2	0.1	83.3	83.6
France	1106	1.6	83.2	2.3	11.8	1.1	83.2	0.1	0.2	0.8	84.2	82.4
Germany	1071	4.4	73.0	4.2	16.4	2.1	73.0	0.6	0.5	0.9	69.5	76.6
Greece	1484	5.4	66.4	5.3	21.7	1.2	66.4	0.2	0.4	0.6	62.5	70.0
Hong Kong	1245	6.6	73.5	3.6	15.7	0.6	73.5	0.0	0.0	0.6	66.9	79.1
Hungary	1119	3.1	83.4	1.9	10.7	0.8	83.4	0.0	0.2	0.7	82.5	84.4
Iceland	678	3.3	80.8	2.4	12.1	1.4	80.8	0.2	0.0	1.2	77.2	84.2
Iran, Islamic Rep.	1400	8.2	66.7	6.5	17.5	1.0	66.7	0.3	0.2	0.5	59.6	72.6
Ireland	1152	5.2	68.4	5.7	20.3	0.4	68.4	0.2	0.1	0.1	63.8	73.2
Israel	532	5.1	68.1	5.5	19.2	2.0	68.1	0.0	1.1	0.9	65.4	72.3
Japan	1945	4.2	78.1	2.8	14.7	0.2	78.1	0.0	0.1	0.0	74.8	81.3
Korea	1102	3.8	75.8	3.6	16.5	0.2	75.8	0.0	0.1	0.1	74.1	77.1
Kuwait	632	5.0	73.1	5.4	14.0	2.5	73.1	0.0	1.3	1.2	75.0	71.3
Latvia (LSS)	900	5.1	70.6	7.3	14.5	2.4	70.6	0.0	0.7	1.7	65.9	75.9
Lithuania	928	8.1	61.2	8.1	19.6	2.9	61.2	0.5	1.3	1.1	54.8	68.6
Netherlands	732	2.1	86.7	2.4	8.4	0.4	86.7	0.0	0.3	0.1	86.9	86.6
New Zealand	1373	4.6	75.4	4.6	15.1	0.2	75.4	0.2	0.0	0.1	72.7	77.8
Norway	1225	7.4	65.4	7.2	18.6	1.4	65.4	0.0	0.4	1.0	61.6	69.3
Philippines	2256	9.1	42.7	15.5	32.0	0.8	42.7	0.0	0.6	0.2	39.5	47.0
Portugal	1262	6.0	62.0	7.6	22.5	1.8	62.0	0.0	0.8	1.1	57.1	66.9
Romania	1396	9.8	53.0	10.1	21.0	6.1	53.0	3.2	1.0	1.9	49.9	56.0
Russian Federation	1527	3.2	75.9	5.4	12.5	2.9	75.9	0.5	1.2	1.2	71.5	80.6
Scotland	1054	1.6	86.4	1.8	9.8	0.4	86.4	0.4	0.0	0.0	84.0	89.0
Singapore	1755	1.9	88.9	1.0	8.1	0.1	88.9	0.0	0.0	0.1	88.8	89.1
Slovak Republic	1323	4.8	69.1	3.7	20.6	1.8	69.1	0.3	0.5	1.1	67.2	71.0
Slovenia	1006	5.2	70.0	5.0	19.7	0.1	70.0	0.0	0.0	0.1	64.0	76.4
South Africa	1729	10.3	29.4	20.7	36.1	3.5	29.4	1.2	1.0	1.3	24.8	34.4
Spain	1450	5.0	71.5	3.3	19.4	0.8	71.5	0.0	0.2	0.6	67.0	76.1
Sweden	1523	7.9	60.1	9.2	22.2	0.6	60.1	0.3	0.1	0.3	55.4	64.5
Switzerland	1832	3.1	84.5	3.1	7.8	1.5	84.5	0.1	0.5	0.9	81.0	87.5
Thailand	2241	8.7	58.2	7.0	25.5	0.5	58.2	0.0	0.1	0.4	57.2	59.6
United States	2661	4.0	70.6	5.3	19.3	0.9	70.6	0.2	0.2	0.5	64.8	76.4
INTERNATIONAL AVG	.	5.1	71.0	5.6	16.9	1.4	71.0	0.2	0.5	0.7	67.9	74.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C10 KEY: C
 Use physical description to identify substance as solution, compound, mixture or element. (Chemistry)
 Difficulty: 410

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	4.9	9.0	78.7	6.6	0.8	78.7	0.0	0.2	0.6	77.1	80.2
Austria	1045	2.3	6.1	85.2	5.5	0.8	85.2	0.0	0.1	0.7	85.7	84.9
Belgium (Fl)	1086	3.3	3.2	88.9	4.2	0.3	88.9	0.0	0.1	0.2	86.6	91.3
Belgium (Fr)	952	4.2	5.2	81.5	3.1	6.0	81.5	0.0	0.6	5.3	81.3	81.6
Bulgaria	671	2.7	1.9	92.2	1.6	1.6	92.2	0.3	0.6	0.8	93.4	91.1
Canada	3146	6.3	5.5	82.7	5.2	0.3	82.7	0.0	0.0	0.3	84.3	81.4
Colombia	977	3.2	6.5	79.0	3.8	7.6	79.0	0.1	3.5	4.0	80.6	77.2
Cyprus	1143	6.0	15.1	67.4	9.5	2.0	67.4	0.0	0.5	1.5	67.3	67.4
Czech Republic	1248	1.4	8.7	87.6	1.3	1.0	87.6	0.0	0.6	0.4	87.2	88.1
Denmark	834	4.4	8.1	68.9	13.2	5.3	68.9	0.0	0.9	4.4	68.8	69.0
England	649	6.1	8.7	76.7	7.8	0.8	76.7	0.0	0.2	0.6	73.7	79.2
France	1106	6.1	3.9	85.6	3.1	1.3	85.6	0.2	0.3	0.8	85.2	85.8
Germany	1071	1.7	4.7	84.0	6.8	2.8	84.0	0.4	0.5	1.9	84.1	84.5
Greece	1483	2.7	12.0	82.1	2.2	1.0	82.1	0.0	0.4	0.5	82.6	81.6
Hong Kong	1246	2.3	14.9	65.9	16.2	0.6	65.9	0.1	0.1	0.4	63.7	67.8
Hungary	1119	1.7	2.4	92.2	2.6	1.1	92.2	0.0	0.4	0.7	92.7	91.6
Iceland	678	11.7	6.1	67.8	12.4	2.0	67.8	0.3	0.1	1.6	69.8	66.0
Iran, Islamic Rep.	1400	4.7	33.1	54.2	6.8	1.3	54.2	0.0	0.4	0.9	53.4	54.5
Ireland	1152	6.2	9.9	80.0	3.5	0.4	80.0	0.0	0.1	0.3	78.2	81.8
Israel	534	4.9	4.8	86.2	1.9	2.3	86.2	0.0	1.1	1.1	84.1	88.9
Japan	1945	1.1	8.4	87.7	2.6	0.3	87.7	0.0	0.1	0.1	89.0	86.6
Korea	1102	0.7	11.8	79.9	7.4	0.2	79.9	0.0	0.1	0.1	81.1	78.9
Kuwait	632	9.5	10.5	70.4	5.8	3.8	70.4	0.0	1.5	2.2	75.1	66.0
Latvia (LSS)	897	3.0	5.6	80.8	8.6	2.0	80.8	0.0	0.8	1.2	84.8	76.4
Lithuania	928	2.6	2.1	90.6	1.8	2.8	90.6	0.1	1.3	1.3	90.8	90.4
Netherlands	732	4.5	1.9	89.1	3.9	0.5	89.1	0.0	0.3	0.3	86.1	91.9
New Zealand	1374	9.2	7.5	74.1	8.7	0.5	74.1	0.1	0.0	0.4	73.6	74.6
Norway	1225	4.8	8.4	76.7	8.7	1.4	76.7	0.0	0.4	1.0	78.2	75.2
Philippines	2256	14.1	12.6	60.3	11.8	1.1	60.3	0.0	0.6	0.5	63.6	56.6
Portugal	1262	6.9	5.5	81.4	3.7	2.4	81.4	0.0	0.8	1.7	84.0	78.9
Romania	1394	4.9	6.5	81.7	2.2	4.7	81.7	1.5	1.1	2.1	82.2	81.2
Russian Federation	1527	5.9	6.2	80.2	4.2	3.5	80.2	0.2	1.4	1.8	81.5	78.8
Scotland	1054	10.7	11.0	68.7	9.3	0.3	68.7	0.1	0.0	0.2	66.3	70.9
Singapore	1755	3.0	9.3	82.4	4.5	0.8	82.4	0.0	0.0	0.8	82.9	82.1
Slovak Republic	1326	2.2	2.1	92.5	2.0	1.2	92.5	0.1	0.5	0.6	94.3	90.7
Slovenia	1007	2.3	5.3	84.0	7.7	0.7	84.0	0.1	0.0	0.7	84.3	83.6
South Africa	1729	15.0	12.4	57.4	12.3	2.9	57.4	0.5	1.1	1.3	56.0	59.3
Spain	1450	8.8	8.5	77.7	4.2	0.9	77.7	0.0	0.4	0.5	77.7	77.7
Sweden	1523	4.5	6.2	82.1	6.4	0.8	82.1	0.2	0.1	0.5	82.0	82.3
Switzerland	1832	3.6	3.3	82.7	7.8	2.6	82.7	0.2	0.8	1.6	83.2	82.2
Thailand	2241	11.4	53.2	28.1	6.2	1.1	28.1	0.0	0.2	0.9	27.1	29.3
United States	2661	4.5	9.2	80.9	4.5	0.9	80.9	0.1	0.2	0.6	79.7	82.2
INTERNATIONAL AVG	.	5.2	9.0	78.0	6.0	1.8	78.0	0.1	0.5	1.1	78.2	77.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C11 KEY: A
 Predict environmental effect of increased carbon dioxide in atmosphere. (Environment and other content)
 Difficulty: 614

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2687	65.5	5.8	9.7	17.7	1.3	65.5	0.0	0.3	1.0	58.8	72.1
Austria	1045	45.4	3.2	9.9	37.8	3.7	45.4	0.0	0.1	3.5	38.1	51.8
Belgium (Fl)	1086	47.2	7.3	13.5	29.6	2.4	47.2	0.0	0.1	2.3	39.5	55.3
Belgium (Fr)	952	40.0	9.8	14.5	26.8	8.8	40.0	0.2	0.6	8.0	35.1	45.3
Bulgaria	671	59.6	4.8	8.2	21.0	6.4	59.6	1.7	0.6	4.1	59.8	59.5
Canada	3146	55.2	8.9	15.9	19.0	1.0	55.2	0.0	0.0	0.9	48.6	61.7
Colombia	977	60.8	2.8	7.9	19.7	8.8	60.8	0.2	3.9	4.6	56.0	66.0
Cyprus	1143	39.5	10.3	11.8	34.3	4.1	39.5	0.3	0.8	3.0	33.3	45.5
Czech Republic	1248	45.5	6.1	7.1	38.9	2.4	45.5	0.1	0.6	1.7	37.1	53.6
Denmark	834	41.3	9.0	19.2	20.8	9.8	41.3	0.7	1.0	8.0	33.3	49.8
England	649	62.7	5.9	8.4	21.8	1.3	62.7	0.0	0.2	1.1	53.6	70.3
France	1106	41.2	9.0	16.0	28.1	5.6	41.2	0.4	0.3	4.9	36.7	46.5
Germany	1071	40.1	5.7	11.3	33.7	9.3	40.1	3.9	0.8	4.6	37.8	42.1
Greece	1484	31.6	7.0	9.3	48.5	3.5	31.6	0.0	0.4	3.1	27.6	35.3
Hong Kong	1246	47.1	8.6	10.5	33.0	0.7	47.1	0.1	0.1	0.6	38.4	54.5
Hungary	1119	35.1	5.8	18.9	35.5	4.7	35.1	0.0	0.5	4.2	30.8	39.6
Iceland	678	29.8	8.7	21.9	38.3	1.3	29.8	0.3	0.2	0.8	23.9	35.5
Iran, Islamic Rep.	1400	26.0	6.6	11.3	53.4	2.8	26.0	0.0	0.4	2.4	22.4	28.9
Ireland	1152	55.3	7.2	12.7	23.9	0.9	55.3	0.2	0.2	0.5	47.2	63.6
Israel	534	56.0	5.7	15.3	18.5	4.5	56.0	0.0	1.3	3.1	49.2	64.0
Japan	1945	67.2	5.4	7.8	19.5	0.1	67.2	0.0	0.1	0.0	59.9	73.9
Korea	1102	55.0	13.2	11.7	19.5	0.6	55.0	0.0	0.2	0.4	48.3	60.2
Kuwait	632	10.6	10.3	21.7	52.3	5.1	10.6	0.0	1.7	3.4	7.8	13.3
Latvia (LSS)	897	37.1	5.6	18.2	32.8	6.3	37.1	0.0	0.9	5.4	31.7	43.1
Lithuania	928	19.7	3.3	12.1	52.1	12.8	19.7	0.4	1.8	10.7	16.9	22.9
Netherlands	732	66.0	4.7	14.9	13.4	1.0	66.0	0.0	0.3	0.8	60.9	71.2
New Zealand	1374	55.1	9.1	11.6	23.3	1.0	55.1	0.1	0.1	0.8	47.2	62.4
Norway	1225	60.8	7.8	11.5	17.0	3.0	60.8	0.0	0.5	2.5	56.7	64.9
Philippines	2253	35.3	8.2	22.5	32.9	1.1	35.3	0.0	0.8	0.3	33.1	38.1
Portugal	1260	38.7	4.5	14.7	37.4	4.6	38.7	0.0	1.1	3.5	32.4	44.9
Romania	1395	39.7	9.1	14.0	28.7	8.5	39.7	2.5	1.4	4.6	36.4	43.0
Russian Federation	1527	32.7	3.9	8.0	49.1	6.3	32.7	0.5	1.7	4.0	30.1	35.3
Scotland	1054	57.9	7.3	9.8	23.8	1.2	57.9	0.2	0.0	1.0	53.7	62.0
Singapore	1755	72.6	2.9	13.1	11.1	0.4	72.6	0.0	0.0	0.4	67.3	77.2
Slovak Republic	1326	40.0	4.0	7.5	44.7	3.8	40.0	0.4	0.5	3.0	31.4	48.9
Slovenia	1007	36.3	4.3	13.2	43.5	2.8	36.3	0.4	0.0	2.4	27.6	45.5
South Africa	1729	28.6	21.2	16.3	29.8	4.0	28.6	0.4	1.3	2.3	24.8	32.7
Spain	1450	48.9	7.6	13.7	27.1	2.7	48.9	0.0	0.5	2.3	44.8	53.0
Sweden	1523	57.0	10.1	12.4	19.9	0.6	57.0	0.1	0.2	0.4	50.7	63.0
Switzerland	1832	44.2	3.6	9.7	38.1	4.4	44.2	1.2	0.9	2.3	37.3	50.2
Thailand	2241	66.7	1.9	4.9	25.9	0.7	66.7	0.0	0.2	0.5	64.8	69.9
United States	2661	58.3	10.8	12.9	16.8	1.2	58.3	0.0	0.2	0.9	53.8	62.8
INTERNATIONAL AVG	.	46.5	7.1	12.7	30.0	3.7	46.5	0.3	0.6	2.7	41.1	51.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C12 KEY: C
 Identify substance which is NOT a fossil fuel. (Physics)
 Difficulty: 570

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	2.9	11.8	51.6	32.5	1.2	51.6	0.0	0.3	0.9	48.3	54.9
Austria	1045	3.8	7.1	62.1	25.9	1.1	62.1	0.0	0.1	1.0	58.3	66.3
Belgium (Fl)	1086	2.2	5.5	70.9	19.8	1.6	70.9	0.0	0.1	1.5	71.1	70.7
Belgium (Fr)	952	6.4	14.6	27.4	45.1	6.4	27.4	0.3	0.7	5.4	27.6	27.2
Bulgaria	671	4.2	2.7	88.0	2.8	2.3	88.0	0.8	0.6	0.9	88.3	87.6
Canada	3146	5.3	7.1	63.2	23.2	1.2	63.2	0.4	0.1	0.7	60.1	66.2
Colombia	977	5.5	3.5	57.6	24.1	9.2	57.6	0.4	4.2	4.6	54.4	61.3
Cyprus	1143	14.3	11.0	30.2	41.1	3.3	30.2	0.6	0.9	1.8	27.7	32.8
Czech Republic	1248	2.0	7.8	67.5	21.4	1.3	67.5	0.3	0.7	0.3	67.1	68.0
Denmark	834	5.7	12.7	36.9	38.9	5.8	36.9	0.3	1.0	4.4	31.2	43.0
England	649	0.2	6.6	58.1	34.1	1.0	58.1	0.0	0.3	0.8	54.6	61.1
France	1106	7.0	14.3	28.2	46.9	3.6	28.2	0.0	0.3	3.3	25.8	30.5
Germany	1071	7.5	10.9	50.8	26.6	4.2	50.8	0.5	0.9	2.8	47.6	53.7
Greece	1484	3.5	3.8	48.2	42.2	2.3	48.2	0.8	0.4	1.1	42.9	53.0
Hong Kong	1246	3.2	3.2	65.4	27.6	0.6	65.4	0.0	0.1	0.5	59.3	70.5
Hungary	1119	2.3	17.4	17.3	56.6	6.4	17.3	0.0	0.8	5.6	16.7	17.8
Iceland	678	5.7	8.8	59.3	25.3	1.0	59.3	0.3	0.2	0.5	54.5	63.9
Iran, Islamic Rep.	1400	12.2	7.5	41.1	37.3	1.9	41.1	0.7	0.4	0.8	35.0	46.0
Ireland	1152	1.3	4.6	62.9	30.7	0.5	62.9	0.2	0.2	0.2	59.8	66.1
Israel	534	3.7	1.2	72.9	19.7	2.6	72.9	0.0	1.6	1.1	67.8	77.5
Japan	1945	4.2	4.6	61.5	29.3	0.4	61.5	0.2	0.1	0.1	58.2	64.6
Korea	1102	1.5	5.0	62.0	31.3	0.2	62.0	0.0	0.2	0.0	59.3	64.0
Kuwait	632	5.9	7.5	59.2	24.7	2.7	59.2	0.2	1.8	0.7	69.2	49.7
Latvia (LSS)	895	5.7	10.8	55.4	23.7	4.3	55.4	0.0	1.0	3.3	53.5	57.5
Lithuania	928	1.0	0.7	83.1	10.8	4.3	83.1	0.7	2.6	1.0	82.8	83.5
Netherlands	732	4.9	11.5	70.7	11.9	1.1	70.7	0.0	0.3	0.8	71.4	70.1
New Zealand	1374	3.6	12.3	49.4	34.3	0.4	49.4	0.1	0.1	0.2	45.2	53.4
Norway	1225	7.2	10.4	34.5	45.1	2.8	34.5	0.0	0.5	2.3	30.1	38.9
Philippines	2256	10.2	15.8	46.9	25.6	1.5	46.9	0.1	0.8	0.5	47.1	46.7
Portugal	1262	3.6	4.1	55.4	33.6	3.3	55.4	0.0	1.1	2.2	54.6	56.3
Romania	1391	4.3	11.4	49.0	25.8	9.6	49.0	4.5	1.5	3.6	48.9	49.0
Russian Federation	1527	2.1	10.2	67.7	16.6	3.4	67.7	0.5	1.9	0.9	66.0	69.6
Scotland	1054	1.7	6.8	54.2	36.3	1.0	54.2	0.5	0.1	0.4	51.0	57.1
Singapore	1755	1.4	3.5	63.4	31.4	0.2	63.4	0.0	0.0	0.2	62.2	64.5
Slovak Republic	1326	2.5	53.2	21.7	20.0	2.5	21.7	0.9	0.6	1.0	21.1	22.4
Slovenia	1007	2.0	4.7	61.0	30.7	1.7	61.0	0.4	0.0	1.3	62.3	59.7
South Africa	1729	7.9	22.0	30.6	35.7	3.7	30.6	0.6	1.4	1.8	27.3	34.6
Spain	1450	2.1	5.4	53.3	36.6	2.6	53.3	0.0	0.5	2.1	50.9	55.8
Sweden	1523	6.0	11.7	49.4	31.7	1.2	49.4	0.5	0.2	0.5	45.1	53.8
Switzerland	1832	12.3	13.4	42.1	29.1	3.2	42.1	0.5	0.9	1.8	38.7	45.0
Thailand	2241	8.3	9.3	58.4	23.0	0.9	58.4	0.0	0.2	0.8	56.8	60.8
United States	2661	3.6	6.3	69.5	19.4	1.1	69.5	0.0	0.3	0.8	68.0	71.1
INTERNATIONAL AVG	.	4.8	9.6	53.8	29.3	2.6	53.8	0.4	0.7	1.5	51.6	55.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D01 KEY: B
 Identify correct diagram of light rays through lens. (Physics)
 Difficulty: 640

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2716	13.6	46.2	29.5	3.7	6.5	0.4	46.2	0.0	0.0	0.4	36.5	56.0
Austria	1028	7.6	37.8	42.9	3.1	6.8	1.7	37.8	0.2	0.1	1.4	27.6	47.9
Belgium (Fl)	1086	8.2	45.2	23.6	4.5	17.3	1.1	45.2	0.0	0.0	1.1	34.1	57.1
Belgium (Fr)	967	11.7	32.1	41.8	2.4	8.5	3.4	32.1	0.1	0.5	2.9	23.6	40.1
Bulgaria	778	10.9	67.5	8.2	3.2	6.3	3.9	67.5	1.1	0.0	2.8	66.1	69.2
Canada	3117	15.0	44.2	28.2	4.3	8.0	0.2	44.2	0.0	0.0	0.2	34.4	54.4
Colombia	996	25.1	15.0	32.3	4.1	16.8	6.6	15.0	0.8	2.4	3.4	8.4	22.0
Cyprus	1036	19.2	26.8	40.6	3.6	7.2	2.6	26.8	0.2	0.1	2.2	24.3	29.5
Czech Republic	1250	15.5	53.8	24.2	2.4	3.7	0.5	53.8	0.0	0.2	0.3	40.2	67.1
Denmark	866	13.0	45.7	25.2	3.9	9.1	3.1	45.7	0.2	0.4	2.5	34.1	57.1
England	662	12.7	32.9	42.2	5.1	6.6	0.5	32.9	0.0	0.0	0.5	27.6	38.1
France	1137	8.8	32.0	48.4	3.0	6.9	0.8	32.0	0.0	0.1	0.7	28.8	35.6
Germany	1056	6.0	50.4	35.3	2.7	4.0	1.6	50.4	0.1	0.1	1.4	40.5	60.2
Greece	1480	24.0	35.8	28.5	3.2	7.7	0.8	35.8	0.1	0.1	0.7	23.8	47.2
Hong Kong	1252	6.6	40.8	45.8	2.2	3.2	1.2	40.8	0.2	0.0	1.1	36.8	44.2
Hungary	1061	10.9	48.3	20.6	2.3	15.6	2.3	48.3	0.0	0.0	2.3	36.0	59.8
Iceland	665	14.1	38.9	32.5	2.7	10.7	1.0	38.9	0.1	0.0	0.9	25.7	51.0
Iran, Islamic Rep.	1384	33.9	44.2	8.9	3.3	8.3	1.3	44.2	0.3	0.0	1.0	32.5	53.7
Ireland	1162	19.8	27.1	32.1	9.6	10.8	0.6	27.1	0.3	0.0	0.3	20.2	34.1
Israel	544	17.9	34.0	21.1	5.0	18.4	3.6	34.0	0.0	0.2	3.4	21.3	44.9
Japan	1920	2.0	88.3	4.1	4.2	1.2	0.1	88.3	0.0	0.0	0.0	86.7	89.8
Korea	1097	2.7	66.8	27.2	2.0	1.4	0.0	66.8	0.0	0.0	0.0	60.2	72.0
Kuwait	624	18.9	26.6	36.1	7.0	8.6	2.8	26.6	0.0	0.0	2.8	28.4	24.8
Latvia (LSS)	905	17.3	37.7	37.8	1.4	1.9	3.7	37.7	0.0	0.3	3.4	33.5	42.9
Lithuania	945	12.0	55.1	19.1	4.1	4.5	5.1	55.1	0.1	0.1	4.9	42.2	71.4
Netherlands	726	10.2	48.3	29.9	4.1	7.3	0.2	48.3	0.0	0.0	0.2	38.1	58.3
New Zealand	1381	11.7	40.0	34.5	5.3	8.2	0.3	40.0	0.0	0.0	0.3	31.9	47.5
Norway	1221	11.6	50.8	24.4	3.9	8.2	1.1	50.8	0.0	0.1	1.0	37.4	65.5
Philippines	2249	31.1	20.7	26.5	3.6	17.7	0.4	20.7	0.0	0.0	0.4	17.7	24.4
Portugal	1270	20.6	37.9	24.9	3.6	11.6	1.4	37.9	0.0	0.1	1.3	27.1	48.4
Romania	1390	18.9	43.7	26.5	0.8	5.3	4.8	43.7	1.8	0.2	2.9	42.1	45.4
Russian Federation	1486	15.4	67.1	5.9	1.3	5.4	4.8	67.1	0.3	0.2	4.3	59.7	75.7
Scotland	1064	19.0	37.7	28.8	5.0	9.2	0.5	37.7	0.0	0.0	0.5	30.1	44.7
Singapore	1758	6.8	52.3	35.1	2.5	3.1	0.2	52.3	0.0	0.0	0.2	45.4	58.4
Slovak Republic	1297	14.2	65.9	10.3	3.0	4.9	1.8	65.9	0.1	0.0	1.6	59.8	72.0
Slovenia	1017	7.3	43.3	42.3	1.3	4.7	1.2	43.3	0.3	0.0	1.0	32.9	54.1
South Africa	1682	26.4	19.5	21.9	3.9	25.2	3.2	19.5	0.4	0.4	2.4	13.2	26.0
Spain	1456	19.0	38.5	31.1	4.0	6.5	0.9	38.5	0.0	0.1	0.9	29.0	49.5
Sweden	1486	11.1	51.5	26.2	2.9	7.6	0.7	51.5	0.1	0.0	0.7	37.1	64.7
Switzerland	1815	10.5	41.9	33.2	2.4	9.9	2.1	41.9	0.2	0.0	1.9	32.8	50.9
Thailand	2222	13.3	47.3	34.0	0.6	4.2	0.8	47.3	0.0	0.0	0.8	44.6	51.5
United States	2658	16.8	35.4	32.2	5.0	9.9	0.7	35.4	0.0	0.1	0.6	27.6	42.8
INTERNATIONAL AVG	.	14.6	43.2	28.7	3.5	8.3	1.8	43.2	0.2	0.1	1.5	35.2	51.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D02 KEY: C
 Identify substance from magnetic properties. (Physics)
 Difficulty: 434

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	3.5	4.7	81.4	9.9	0.4	81.4	0.0	0.0	0.4	78.5	84.4
Austria	1028	2.1	3.6	89.8	3.3	1.2	89.8	0.2	0.1	0.9	87.6	91.8
Belgium (Fl)	1086	3.6	10.2	73.4	12.1	0.7	73.4	0.0	0.0	0.7	66.8	80.5
Belgium (Fr)	967	7.2	6.6	71.0	10.7	4.5	71.0	0.1	0.8	3.6	68.7	73.6
Bulgaria	778	2.9	6.4	85.8	4.0	0.9	85.8	0.1	0.0	0.8	84.9	86.7
Canada	3117	3.2	5.0	79.4	12.0	0.3	79.4	0.0	0.0	0.3	78.9	79.7
Colombia	996	5.6	11.4	57.2	20.1	5.8	57.2	0.1	2.8	2.9	54.9	59.6
Cyprus	1036	3.9	13.5	66.6	13.7	2.3	66.6	0.2	0.3	1.8	66.1	67.0
Czech Republic	1250	1.6	1.9	94.1	2.0	0.5	94.1	0.0	0.2	0.3	93.6	94.5
Denmark	866	8.2	11.4	62.7	14.4	3.3	62.7	0.2	0.4	2.7	58.5	66.9
England	662	3.5	2.8	88.2	5.0	0.6	88.2	0.0	0.1	0.4	86.7	89.6
France	1137	4.1	8.0	70.3	15.0	2.6	70.3	0.0	0.1	2.5	65.8	73.7
Germany	1056	2.7	5.1	87.7	3.6	0.8	87.7	0.1	0.1	0.7	82.7	92.5
Greece	1480	5.9	15.3	66.5	11.3	1.1	66.5	0.1	0.1	1.0	62.3	70.5
Hong Kong	1252	4.7	6.9	77.7	9.5	1.2	77.7	0.0	0.0	1.2	72.0	82.5
Hungary	1061	1.1	2.2	93.7	2.5	0.5	93.7	0.0	0.2	0.3	92.4	94.9
Iceland	665	12.3	20.5	49.7	16.5	1.1	49.7	0.0	0.0	1.1	43.2	55.6
Iran, Islamic Rep.	1384	5.8	17.1	56.0	20.4	0.7	56.0	0.0	0.0	0.6	52.7	59.2
Ireland	1162	3.9	8.0	80.7	7.2	0.2	80.7	0.1	0.1	0.0	78.0	83.4
Israel	544	7.6	5.7	68.5	15.4	2.8	68.5	0.0	0.7	2.1	67.4	71.2
Japan	1920	4.3	3.2	88.9	3.6	0.1	88.9	0.0	0.1	0.0	86.9	90.8
Korea	1097	5.0	5.1	86.2	3.6	0.0	86.2	0.0	0.0	0.0	84.5	87.6
Kuwait	624	6.7	15.9	63.6	12.7	1.2	63.6	0.0	0.2	1.0	70.4	57.1
Latvia (LSS)	905	6.3	11.6	67.1	12.1	2.9	67.1	0.0	0.5	2.5	61.6	73.8
Lithuania	944	2.4	6.5	81.4	4.9	4.8	81.4	0.1	0.2	4.5	77.4	86.5
Netherlands	726	2.1	9.3	82.0	6.2	0.4	82.0	0.1	0.0	0.3	77.7	85.7
New Zealand	1381	5.4	7.5	74.2	12.5	0.4	74.2	0.1	0.0	0.3	69.5	78.5
Norway	1221	7.5	10.7	73.5	7.5	0.8	73.5	0.0	0.1	0.7	66.1	81.7
Philippines	2249	3.2	27.0	34.3	35.1	0.4	34.3	0.0	0.0	0.4	33.2	35.8
Portugal	1270	3.7	8.4	73.4	13.4	1.1	73.4	0.0	0.1	1.0	67.0	79.6
Romania	1390	1.3	4.8	83.8	8.0	2.1	83.8	0.2	0.2	1.7	83.0	84.6
Russian Federation	1484	4.7	3.0	86.2	3.6	2.6	86.2	0.2	0.2	2.2	83.5	89.4
Scotland	1064	2.6	5.2	83.1	8.7	0.4	83.1	0.0	0.0	0.4	80.7	85.5
Singapore	1758	1.6	2.6	90.8	4.8	0.2	90.8	0.0	0.0	0.2	91.6	89.9
Slovak Republic	1297	2.0	3.7	89.0	4.6	0.7	89.0	0.0	0.0	0.7	86.0	91.9
Slovenia	1017	2.1	6.2	84.7	6.0	1.0	84.7	0.1	0.0	0.9	81.2	88.4
South Africa	1682	4.5	15.4	49.0	28.5	2.6	49.0	0.3	0.5	1.7	45.9	51.8
Spain	1456	3.3	8.7	77.4	9.3	1.3	77.4	0.0	0.1	1.1	75.6	79.4
Sweden	1486	5.9	7.5	79.8	6.3	0.5	79.8	0.1	0.2	0.2	76.6	82.9
Switzerland	1815	5.7	8.8	72.9	11.3	1.3	72.9	0.3	0.0	1.0	67.7	78.1
Thailand	2222	2.8	6.2	71.3	18.9	0.7	71.3	0.0	0.0	0.7	70.8	72.2
United States	2658	3.8	6.0	74.5	15.0	0.8	74.5	0.0	0.2	0.6	71.8	77.0
INTERNATIONAL AVG	.	4.3	8.3	75.4	10.6	1.4	75.4	0.1	0.2	1.1	72.6	78.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D03 KEY: B
 Identify direction of river flow on contour map. (Earth Science)
 Difficulty: 661

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2716	11.2	46.2	28.3	5.7	7.8	0.8	46.2	0.0	0.1	0.7	41.0	51.5
Austria	1029	17.0	44.5	20.4	8.7	7.6	1.8	44.5	0.2	0.1	1.5	34.1	54.0
Belgium (Fl)	1086	15.8	51.8	17.8	6.5	6.9	1.1	51.8	0.0	0.0	1.1	46.5	57.5
Belgium (Fr)	967	17.6	42.4	18.2	12.0	7.1	2.7	42.4	0.1	0.8	1.8	40.9	44.7
Bulgaria	778	16.8	51.7	16.0	5.5	8.6	1.4	51.7	0.0	0.0	1.4	50.0	53.8
Canada	3117	14.9	42.6	25.8	8.2	8.4	0.1	42.6	0.0	0.0	0.1	38.2	47.4
Colombia	996	17.3	12.1	21.6	8.2	33.3	7.5	12.1	0.5	2.9	4.1	11.1	13.2
Cyprus	1036	20.0	21.1	30.6	8.0	17.4	2.8	21.1	0.4	0.3	2.1	17.0	25.1
Czech Republic	1246	14.3	41.8	26.1	8.3	8.4	1.2	41.8	0.0	0.2	1.0	29.6	53.8
Denmark	866	11.4	44.1	18.8	9.9	11.0	4.8	44.1	0.3	0.4	4.0	35.7	52.8
England	662	9.0	44.5	34.2	6.1	5.7	0.4	44.5	0.0	0.1	0.3	36.5	52.3
France	1137	17.1	36.5	19.1	11.7	13.8	1.8	36.5	0.2	0.1	1.5	32.9	39.7
Germany	1056	14.9	44.0	22.2	7.9	7.8	3.2	44.0	0.4	0.2	2.5	36.5	51.4
Greece	1480	18.7	22.0	21.8	8.7	25.5	3.3	22.0	0.1	0.1	3.2	17.9	25.8
Hong Kong	1252	6.8	58.1	21.6	4.2	9.0	0.2	58.1	0.0	0.1	0.2	49.7	65.1
Hungary	1061	18.2	39.9	18.4	9.9	11.5	2.1	39.9	0.0	0.2	1.9	35.6	44.0
Iceland	665	19.9	36.0	28.4	8.6	6.1	0.9	36.0	0.4	0.0	0.5	28.5	43.0
Iran, Islamic Rep.	1384	22.2	22.3	26.3	9.7	17.8	1.7	22.3	0.2	0.0	1.5	21.4	23.2
Ireland	1162	13.4	41.1	29.2	8.2	7.6	0.5	41.1	0.2	0.1	0.2	31.9	50.5
Israel	544	32.5	25.9	19.0	6.9	12.6	3.2	25.9	0.0	0.7	2.5	16.7	33.3
Japan	1920	10.9	55.3	21.6	7.8	4.3	0.2	55.3	0.0	0.1	0.1	48.5	61.5
Korea	1097	16.2	44.2	22.1	15.1	2.4	0.0	44.2	0.0	0.0	0.0	37.1	50.0
Kuwait	624	23.3	20.5	33.7	7.5	13.9	1.1	20.5	0.0	0.2	0.9	21.1	20.0
Latvia (LSS)	908	14.0	29.1	22.4	13.1	17.6	3.7	29.1	0.0	0.5	3.2	24.1	35.3
Lithuania	945	10.4	38.9	21.3	9.5	14.7	5.2	38.9	0.1	0.2	4.8	34.8	44.0
Netherlands	726	13.5	44.1	26.9	7.6	7.8	0.1	44.1	0.1	0.0	0.0	35.9	51.7
New Zealand	1381	13.6	36.6	35.6	6.7	7.4	0.1	36.6	0.0	0.0	0.1	29.3	43.4
Norway	1221	16.9	40.3	20.9	10.7	9.8	1.4	40.3	0.0	0.1	1.3	31.9	49.6
Philippines	2250	36.7	16.4	24.1	9.1	13.2	0.4	16.4	0.0	0.0	0.4	15.0	18.2
Portugal	1270	20.5	20.9	25.4	14.9	16.0	2.3	20.9	0.0	0.1	2.2	17.0	24.7
Romania	1390	29.4	27.9	15.0	5.4	19.1	3.2	27.9	0.5	0.2	2.4	27.6	28.1
Russian Federation	1510	11.5	41.6	20.2	10.0	13.7	3.0	41.6	0.3	0.2	2.5	36.5	47.6
Scotland	1064	11.8	40.3	33.6	6.7	7.0	0.6	40.3	0.1	0.0	0.5	30.7	48.9
Singapore	1758	14.3	44.3	18.1	8.2	14.5	0.6	44.3	0.0	0.0	0.6	37.4	50.7
Slovak Republic	1290	19.5	39.6	22.8	8.2	7.9	1.9	39.6	0.2	0.0	1.8	31.3	48.0
Slovenia	1017	9.0	58.3	16.2	11.7	4.4	0.3	58.3	0.0	0.0	0.3	50.1	66.7
South Africa	1682	21.8	23.6	28.2	10.7	13.8	2.0	23.6	0.1	0.5	1.4	20.8	26.2
Spain	1456	20.4	22.9	25.6	13.0	15.8	2.4	22.9	0.0	0.2	2.2	17.0	29.6
Sweden	1485	8.8	48.1	23.5	10.6	8.0	1.0	48.1	0.0	0.2	0.8	41.7	53.4
Switzerland	1815	15.6	44.9	25.5	9.0	3.7	1.4	44.9	0.1	0.0	1.3	39.2	50.5
Thailand	2222	15.1	33.4	23.1	13.2	14.6	0.7	33.4	0.0	0.0	0.7	31.1	36.8
United States	2658	12.7	46.1	24.9	6.6	9.2	0.6	46.1	0.0	0.2	0.4	41.7	50.3
INTERNATIONAL AVG	.	16.5	37.8	23.7	9.0	11.3	1.8	37.8	0.1	0.2	1.4	32.2	43.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D04 KEY: C

Relate physical event to its sequence of energy changes. (Physics)

Difficulty: 553

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2716	9.4	10.8	65.4	13.3	1.1	65.4	0.0	0.1	1.0	63.3	67.6
Austria	1028	8.6	8.5	60.3	20.0	2.6	60.3	0.1	0.1	2.4	52.5	66.9
Belgium (Fl)	1086	7.0	13.8	67.9	10.3	1.0	67.9	0.0	0.0	1.0	65.4	70.6
Belgium (Fr)	967	9.9	10.1	44.6	21.9	13.5	44.6	0.5	0.8	12.2	40.3	48.9
Bulgaria	778	7.0	13.1	55.8	20.1	4.0	55.8	0.7	0.0	3.3	56.4	54.8
Canada	3117	9.3	14.9	58.3	16.4	1.1	58.3	0.4	0.0	0.7	55.3	60.9
Colombia	996	13.4	9.3	43.7	24.7	8.9	43.7	0.3	3.5	5.0	44.7	43.0
Cyprus	1036	7.3	9.2	64.3	16.5	2.8	64.3	0.3	0.3	2.2	66.1	62.3
Czech Republic	1251	10.4	21.0	57.1	8.5	3.0	57.1	0.2	0.2	2.6	55.0	59.2
Denmark	866	8.6	10.1	51.1	19.7	10.5	51.1	0.5	0.4	9.6	47.4	54.3
England	662	6.5	10.1	76.0	6.7	0.7	76.0	0.0	0.1	0.5	72.7	79.2
France	1137	6.4	10.5	50.9	26.8	5.3	50.9	0.1	0.1	5.1	44.9	55.9
Germany	1056	12.6	11.3	54.0	16.3	5.8	54.0	1.0	0.2	4.6	45.6	62.0
Greece	1479	7.5	5.7	71.0	12.6	3.2	71.0	0.6	0.1	2.6	69.3	72.8
Hong Kong	1252	9.1	4.3	65.5	20.6	0.4	65.5	0.0	0.1	0.3	61.7	68.7
Hungary	1061	5.0	7.8	71.5	13.1	2.6	71.5	0.0	0.3	2.3	63.7	79.0
Iceland	665	12.3	7.1	52.5	26.6	1.4	52.5	0.0	0.0	1.4	53.3	51.8
Iran, Islamic Rep.	1384	7.9	12.2	65.7	11.8	2.4	65.7	0.6	0.0	1.8	66.6	65.2
Ireland	1162	7.3	12.8	68.0	9.9	1.9	68.0	0.3	0.1	1.6	66.5	69.4
Israel	544	7.7	14.0	59.1	14.3	5.0	59.1	0.0	0.7	4.3	52.3	65.9
Japan	1920	8.6	10.2	60.7	20.2	0.3	60.7	0.1	0.1	0.1	59.7	61.6
Korea	1097	7.6	29.4	45.5	17.5	0.1	45.5	0.0	0.0	0.1	40.0	49.9
Kuwait	624	8.5	9.6	67.3	12.3	2.4	67.3	0.0	0.2	2.2	74.1	60.7
Latvia (LSS)	907	9.7	18.7	51.5	15.3	4.7	51.5	0.0	0.6	4.1	45.9	58.1
Lithuania	945	9.9	24.6	39.8	13.2	12.4	39.8	0.4	0.2	11.8	35.3	45.6
Netherlands	726	10.4	9.3	68.5	11.0	0.9	68.5	0.2	0.0	0.7	62.6	74.0
New Zealand	1381	9.4	12.1	63.8	14.3	0.5	63.8	0.0	0.0	0.5	58.1	69.0
Norway	1221	16.3	12.0	50.1	19.0	2.6	50.1	0.0	0.2	2.4	48.8	51.4
Philippines	2250	11.2	16.9	40.5	30.8	0.6	40.5	0.0	0.0	0.6	39.8	41.5
Portugal	1270	8.0	11.4	46.0	30.6	4.0	46.0	0.0	0.1	3.9	42.5	49.3
Romania	1388	9.1	13.5	54.4	13.6	9.4	54.4	3.5	0.3	5.6	54.3	54.5
Russian Federation	1510	6.9	10.4	64.4	13.9	4.4	64.4	0.4	0.2	3.8	61.1	68.2
Scotland	1064	8.4	9.3	73.6	8.0	0.6	73.6	0.1	0.0	0.5	72.1	74.9
Singapore	1758	5.3	5.0	82.3	7.2	0.3	82.3	0.0	0.0	0.3	82.2	82.3
Slovak Republic	1299	10.5	12.0	64.7	8.9	4.0	64.7	0.1	0.1	3.8	57.3	72.1
Slovenia	1017	13.1	11.2	63.4	10.8	1.4	63.4	0.0	0.0	1.4	54.8	72.4
South Africa	1682	14.1	16.1	24.3	42.2	3.3	24.3	0.4	0.6	2.3	21.1	28.4
Spain	1456	10.0	10.7	57.7	19.0	2.6	57.7	0.0	0.3	2.3	51.9	64.3
Sweden	1485	15.5	13.5	41.5	28.2	1.2	41.5	0.1	0.3	0.8	37.0	45.2
Switzerland	1815	12.2	10.9	52.4	22.0	2.6	52.4	0.0	0.0	2.5	49.2	55.5
Thailand	2222	6.9	4.6	71.4	16.5	0.6	71.4	0.0	0.0	0.6	72.2	71.0
United States	2658	9.7	15.6	61.3	12.5	0.9	61.3	0.0	0.2	0.7	57.6	64.8
INTERNATIONAL AVG	.	9.4	12.0	58.3	17.1	3.3	58.3	0.3	0.2	2.7	55.2	61.3

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: D05 KEY: C
 Identify system carrying sensory messages to the brain. (Life Science)
 Difficulty: 483

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	18.0	3.9	67.2	10.3	0.6	67.2	0.0	0.1	0.5	63.0	71.5
Austria	1028	11.4	2.7	77.9	6.9	1.1	77.9	0.0	0.1	1.0	74.0	81.7
Belgium (Fl)	1086	9.2	3.2	77.1	10.1	0.5	77.1	0.0	0.0	0.5	73.9	80.6
Belgium (Fr)	967	14.3	4.5	66.0	10.4	4.8	66.0	0.2	0.9	3.7	64.2	67.8
Bulgaria	778	9.4	5.1	78.8	4.5	2.2	78.8	0.3	0.0	1.9	78.3	79.8
Canada	3117	17.5	7.1	65.1	9.6	0.7	65.1	0.0	0.0	0.7	65.2	65.5
Colombia	996	18.5	13.9	57.1	3.8	6.7	57.1	0.1	4.1	2.6	55.6	58.7
Cyprus	1036	24.6	7.4	56.6	9.3	2.2	56.6	0.1	0.3	1.7	57.4	55.7
Czech Republic	1251	5.9	2.8	89.3	1.0	1.0	89.3	0.0	0.4	0.6	87.8	90.7
Denmark	866	14.4	6.8	62.9	11.7	4.3	62.9	0.2	0.5	3.6	59.4	65.8
England	662	16.0	6.0	70.2	7.5	0.3	70.2	0.0	0.1	0.1	66.4	73.9
France	1137	13.9	11.1	63.3	8.5	3.2	63.3	0.1	0.2	2.8	61.1	64.7
Germany	1056	15.8	2.6	72.4	5.6	3.6	72.4	0.2	0.2	3.1	71.0	73.8
Greece	1479	19.1	6.9	63.0	9.7	1.2	63.0	0.1	0.1	1.0	59.4	66.6
Hong Kong	1252	19.8	2.7	49.6	27.0	0.9	49.6	0.0	0.1	0.8	42.4	55.7
Hungary	1061	7.0	2.4	81.4	7.5	1.7	81.4	0.0	0.3	1.3	79.3	83.5
Iceland	665	26.3	2.4	64.5	6.0	1.0	64.5	0.1	0.1	0.8	52.8	75.1
Iran, Islamic Rep.	1384	12.8	4.3	73.7	8.4	0.8	73.7	0.0	0.0	0.8	72.1	74.8
Ireland	1162	13.2	5.1	74.2	6.7	0.7	74.2	0.1	0.2	0.4	75.3	73.1
Israel	544	6.2	4.5	80.6	5.9	2.7	80.6	0.0	0.9	1.9	78.0	82.7
Japan	1920	4.9	2.0	86.5	6.4	0.2	86.5	0.1	0.1	0.0	86.3	86.7
Korea	1097	9.5	2.5	82.4	5.6	0.0	82.4	0.0	0.0	0.0	82.9	82.1
Kuwait	624	15.2	9.5	62.2	9.7	3.3	62.2	0.0	0.2	3.1	59.8	64.6
Latvia (LSS)	907	8.6	4.0	76.7	8.0	2.7	76.7	0.0	0.7	2.0	75.5	78.2
Lithuania	945	10.1	3.7	70.1	7.2	8.8	70.1	0.0	0.4	8.4	68.8	71.8
Netherlands	726	5.0	3.0	83.0	8.7	0.3	83.0	0.0	0.0	0.3	79.4	86.2
New Zealand	1381	18.8	6.5	65.0	9.1	0.5	65.0	0.1	0.0	0.4	60.5	69.3
Norway	1221	17.9	14.6	54.5	11.1	1.9	54.5	0.0	0.2	1.7	52.6	56.6
Philippines	2250	27.0	12.6	45.5	14.3	0.6	45.5	0.0	0.0	0.6	46.2	44.6
Portugal	1270	19.0	7.3	64.2	7.3	2.3	64.2	0.0	0.2	2.1	59.2	68.9
Romania	1387	18.7	3.2	67.4	6.8	3.9	67.4	0.9	0.4	2.6	64.7	70.2
Russian Federation	1510	10.3	4.9	80.2	2.5	2.1	80.2	0.1	0.2	1.9	76.2	84.9
Scotland	1064	16.8	9.0	64.1	9.3	0.8	64.1	0.3	0.0	0.5	62.2	66.1
Singapore	1758	11.8	3.7	80.8	3.4	0.3	80.8	0.0	0.1	0.3	80.8	80.8
Slovak Republic	1299	9.8	2.6	83.6	2.5	1.5	83.6	0.0	0.1	1.5	82.9	84.3
Slovenia	1017	9.8	3.4	80.7	4.8	1.3	80.7	0.1	0.0	1.2	80.4	81.0
South Africa	1682	15.7	16.3	35.5	28.8	3.7	35.5	0.2	0.6	2.8	32.2	39.0
Spain	1456	22.0	6.0	65.9	4.8	1.3	65.9	0.0	0.3	1.0	61.5	71.0
Sweden	1486	23.6	6.9	58.9	9.7	0.9	58.9	0.1	0.3	0.6	58.3	59.8
Switzerland	1815	16.2	11.5	63.5	6.8	2.0	63.5	0.2	0.0	1.7	62.4	64.5
Thailand	2222	3.8	4.6	88.1	3.2	0.4	88.1	0.0	0.0	0.3	87.8	88.3
United States	2658	17.2	3.5	69.3	8.8	1.1	69.3	0.0	0.2	0.9	67.0	71.6
INTERNATIONAL AVG	.	14.4	5.9	69.5	8.3	1.9	69.5	0.1	0.3	1.5	67.2	71.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D06 KEY: A
 Relate plant part to seed development. (Life Science)
 Difficulty: 439

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	69.2	3.0	20.2	7.0	0.6	69.2	0.0	0.1	0.5	65.2	73.3
Austria	1028	87.6	1.5	7.2	2.9	0.7	87.6	0.0	0.1	0.6	88.2	87.4
Belgium (Fl)	1086	83.5	1.6	9.3	5.3	0.3	83.5	0.0	0.0	0.3	80.5	86.7
Belgium (Fr)	967	70.8	2.4	19.2	5.0	2.5	70.8	0.2	0.9	1.4	70.7	71.1
Bulgaria	778	79.5	1.2	13.6	4.7	0.9	79.5	0.4	0.0	0.5	80.8	78.2
Canada	3117	55.9	4.4	30.7	8.2	0.8	55.9	0.0	0.1	0.7	54.7	57.2
Colombia	996	56.4	2.4	28.6	6.8	5.8	56.4	0.2	4.3	1.4	54.3	58.4
Cyprus	1036	65.5	1.4	10.1	21.0	2.0	65.5	0.2	0.3	1.4	68.4	62.6
Czech Republic	1251	95.3	0.5	2.1	1.6	0.6	95.3	0.1	0.4	0.1	95.4	95.2
Denmark	866	85.1	2.2	7.8	2.9	2.1	85.1	0.2	0.5	1.3	82.6	87.7
England	662	62.1	1.9	23.7	12.0	0.3	62.1	0.0	0.1	0.2	59.7	64.4
France	1137	69.3	2.7	19.3	7.6	1.0	69.3	0.2	0.2	0.6	68.9	70.5
Germany	1056	84.7	0.9	7.4	5.3	1.6	84.7	0.5	0.2	0.9	83.6	85.9
Greece	1479	40.4	2.2	16.6	39.0	1.8	40.4	0.4	0.1	1.3	39.5	41.2
Hong Kong	1252	78.6	1.5	11.4	7.7	0.7	78.6	0.1	0.1	0.5	74.3	82.3
Hungary	1061	88.1	0.2	8.1	2.6	1.1	88.1	0.0	0.3	0.8	87.2	89.0
Iceland	665	72.3	4.3	13.1	9.0	1.4	72.3	0.1	0.1	1.2	71.4	73.1
Iran, Islamic Rep.	1384	77.9	2.1	13.6	6.3	0.2	77.9	0.0	0.0	0.2	71.3	83.0
Ireland	1162	53.9	4.6	27.8	13.0	0.7	53.9	0.2	0.2	0.4	50.9	57.0
Israel	544	61.0	3.2	19.2	14.3	2.3	61.0	0.0	0.9	1.4	56.3	65.0
Japan	1920	82.3	2.5	5.6	9.5	0.1	82.3	0.0	0.1	0.0	84.4	80.3
Korea	1097	81.8	4.1	7.9	6.1	0.0	81.8	0.0	0.0	0.0	79.5	83.7
Kuwait	624	51.0	2.1	36.4	9.5	1.1	51.0	0.0	0.2	0.9	53.7	48.5
Latvia (LSS)	907	90.4	0.6	5.3	1.6	2.1	90.4	0.0	0.7	1.5	92.3	88.2
Lithuania	946	90.8	0.3	5.6	1.6	1.8	90.8	0.6	0.4	0.7	92.0	89.2
Netherlands	726	74.1	2.8	13.1	9.7	0.3	74.1	0.1	0.0	0.1	69.0	78.5
New Zealand	1381	68.0	3.2	20.7	6.7	1.3	68.0	0.1	0.1	1.1	64.9	70.9
Norway	1221	66.6	2.6	19.7	9.6	1.4	66.6	0.0	0.2	1.2	64.8	68.5
Philippines	2250	41.2	5.6	43.1	9.3	0.8	41.2	0.2	0.0	0.5	41.3	41.1
Portugal	1270	53.9	2.1	32.6	10.0	1.4	53.9	0.0	0.2	1.3	50.5	57.2
Romania	1389	85.3	1.2	8.3	2.1	3.1	85.3	1.4	0.4	1.3	85.2	85.3
Russian Federation	1510	89.3	0.5	8.0	1.4	0.7	89.3	0.1	0.2	0.5	88.6	90.2
Scotland	1064	48.5	2.6	32.3	16.0	0.6	48.5	0.2	0.0	0.5	45.4	51.5
Singapore	1758	87.3	1.1	9.2	2.1	0.4	87.3	0.0	0.1	0.3	86.8	87.7
Slovak Republic	1299	93.8	0.7	3.0	1.6	1.0	93.8	0.2	0.1	0.8	93.6	94.0
Slovenia	1017	87.7	1.0	9.1	1.7	0.5	87.7	0.1	0.0	0.4	88.1	87.4
South Africa	1682	37.8	9.1	34.8	15.5	2.8	37.8	0.3	0.6	1.9	31.3	44.0
Spain	1456	55.8	2.8	31.4	9.1	1.0	55.8	0.0	0.3	0.7	52.3	59.9
Sweden	1486	89.8	2.9	5.2	1.4	0.7	89.8	0.0	0.3	0.4	91.8	88.5
Switzerland	1815	82.9	1.6	8.9	5.7	0.9	82.9	0.4	0.0	0.4	82.2	83.6
Thailand	2222	82.9	2.0	12.5	2.1	0.4	82.9	0.0	0.0	0.4	82.5	83.5
United States	2658	58.9	4.4	27.2	8.3	1.2	58.9	0.0	0.2	0.9	56.4	61.3
INTERNATIONAL AVG	.	72.3	2.4	16.4	7.7	1.2	72.3	0.2	0.3	0.8	71.0	73.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E07 KEY: B
 Identify particles found in the nucleus of atoms. (Physics)
 Difficulty: 635

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2726	13.0	41.4	21.4	22.7	1.5	41.4	0.0	0.2	1.3	43.2	39.5
Austria	1011	8.7	62.0	17.6	10.3	1.4	62.0	0.2	0.0	1.2	63.1	61.6
Belgium (Fl)	1096	12.1	28.3	17.9	38.5	3.2	28.3	0.0	0.0	3.2	26.2	30.4
Belgium (Fr)	956	11.8	24.6	15.3	22.3	26.0	24.6	0.0	0.6	25.4	21.4	28.5
Bulgaria	812	2.1	56.2	37.7	2.7	1.3	56.2	0.3	0.3	0.7	56.3	56.1
Canada	3154	13.0	37.5	20.0	28.1	1.5	37.5	0.0	0.2	1.2	37.2	37.6
Colombia	997	9.7	37.5	24.0	19.8	9.0	37.5	0.1	5.7	3.2	38.8	35.5
Cyprus	1142	8.0	30.8	42.0	15.5	3.7	30.8	0.1	0.2	3.4	33.3	28.5
Czech Republic	1265	3.9	73.8	18.6	2.9	0.8	73.8	0.0	0.1	0.7	74.0	73.6
Denmark	860	13.3	28.4	21.6	21.5	15.3	28.4	0.0	0.2	15.2	21.6	35.7
England	654	15.1	40.4	15.8	27.8	0.8	40.4	0.0	0.3	0.5	40.5	40.4
France	1137	11.9	20.5	21.1	37.7	8.8	20.5	0.3	0.4	8.1	17.3	24.7
Germany	1098	13.0	28.1	30.1	22.0	6.8	28.1	0.2	0.3	6.3	27.0	28.9
Greece	1490	3.9	59.2	28.6	6.5	1.8	59.2	0.2	0.1	1.5	59.8	58.6
Hong Kong	1244	7.4	32.4	42.1	17.1	1.1	32.4	0.0	0.2	0.9	30.5	34.1
Hungary	1107	3.6	47.7	40.6	5.4	2.7	47.7	0.0	0.2	2.5	46.7	48.8
Iceland	674	8.5	28.0	42.6	18.9	2.0	28.0	0.1	0.3	1.5	27.1	28.9
Iran, Islamic Rep.	1387	12.1	32.3	42.3	12.3	1.0	32.3	0.0	0.1	0.8	29.1	35.2
Ireland	1150	11.8	48.4	19.9	18.4	1.5	48.4	0.1	0.3	1.1	50.0	46.7
Israel	564	4.3	40.7	47.6	4.1	3.4	40.7	0.0	1.6	1.8	39.0	44.4
Japan	1939	9.4	29.9	35.4	24.8	0.5	29.9	0.0	0.0	0.5	26.7	32.9
Korea	1098	10.3	43.6	30.9	15.1	0.0	43.6	0.0	0.0	0.0	38.9	47.4
Kuwait	632	5.6	35.3	31.1	23.4	4.6	35.3	0.0	0.5	4.0	33.6	36.9
Latvia (LSS)	888	9.0	31.3	33.1	18.8	7.8	31.3	0.0	0.4	7.4	33.2	29.4
Lithuania	946	2.9	62.2	23.5	7.5	3.9	62.2	0.2	0.7	3.0	64.7	59.3
Netherlands	743	11.5	32.4	23.3	30.5	2.3	32.4	0.1	0.1	2.1	30.7	34.8
New Zealand	1382	12.4	37.7	19.2	29.7	1.0	37.7	0.0	0.1	1.0	35.4	39.9
Norway	1225	11.1	28.5	23.9	35.3	1.3	28.5	0.0	0.1	1.2	29.0	28.0
Philippines	2252	12.1	36.6	27.8	23.2	0.3	36.6	0.0	0.0	0.3	38.2	34.9
Portugal	1274	13.0	33.5	25.4	24.2	3.9	33.5	0.0	0.6	3.2	34.8	32.4
Romania	1382	3.6	70.7	16.7	5.6	3.4	70.7	0.8	0.2	2.4	74.4	67.1
Russian Federation	1525	3.8	63.6	20.7	9.4	2.6	63.6	0.1	0.6	1.9	68.1	58.2
Scotland	1050	19.7	38.0	17.8	22.5	2.0	38.0	0.0	0.1	1.9	34.0	41.7
Singapore	1752	13.4	44.7	24.9	16.4	0.7	44.7	0.0	0.0	0.7	42.3	46.8
Slovak Republic	1324	2.4	73.7	20.8	2.3	0.8	73.7	0.2	0.1	0.5	74.1	73.3
Slovenia	1028	5.8	58.1	29.1	6.1	1.0	58.1	0.0	0.1	0.9	60.7	55.0
South Africa	1709	23.0	26.8	20.7	25.0	4.5	26.8	0.2	0.6	3.7	26.9	26.9
Spain	1453	6.7	63.2	18.7	10.2	1.3	63.2	0.0	0.4	0.8	63.6	62.9
Sweden	1492	7.4	40.5	25.2	25.5	1.5	40.5	0.1	0.6	0.9	41.8	39.2
Switzerland	1802	14.1	36.2	20.2	22.3	7.3	36.2	0.3	0.0	7.0	32.7	39.4
Thailand	2262	5.1	49.4	21.1	23.6	0.8	49.4	0.0	0.2	0.5	52.3	45.0
United States	2651	7.3	56.5	21.1	13.5	1.6	56.5	0.0	0.3	1.3	58.0	55.0
INTERNATIONAL AVG	.	9.4	42.6	26.1	18.3	3.5	42.6	0.1	0.4	3.0	42.3	43.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E08 KEY: C
 Select correct statement of trait heredity from parents. (Life Science)
 Difficulty: 391

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2726	9.5	2.4	74.1	12.9	1.2	74.1	0.0	0.2	1.0	78.9	69.2
Austria	1011	1.8	1.2	88.5	7.2	1.3	88.5	0.3	0.0	1.0	91.8	85.7
Belgium (Fl)	1096	2.2	0.6	90.2	6.7	0.3	90.2	0.0	0.1	0.3	91.0	89.3
Belgium (Fr)	956	3.8	1.7	68.5	23.7	2.4	68.5	0.1	0.7	1.6	71.3	65.9
Bulgaria	812	1.5	1.2	84.8	11.3	1.2	84.8	0.2	0.3	0.7	87.8	81.9
Canada	3154	2.8	0.9	86.8	8.0	1.4	86.8	0.2	0.3	1.0	88.8	85.0
Colombia	997	0.5	0.8	66.6	23.7	8.3	66.6	0.0	5.8	2.5	65.8	67.8
Cyprus	1142	3.3	2.3	79.5	14.0	0.9	79.5	0.1	0.2	0.6	85.2	73.8
Czech Republic	1265	1.4	0.3	89.7	8.3	0.3	89.7	0.1	0.1	0.1	91.5	87.9
Denmark	860	3.1	0.5	81.9	11.6	3.0	81.9	0.3	0.2	2.5	83.5	80.6
England	654	4.9	0.4	86.5	7.7	0.4	86.5	0.0	0.3	0.1	88.5	84.6
France	1137	1.5	0.5	77.1	19.4	1.6	77.1	0.2	0.4	1.0	80.4	74.5
Germany	1098	1.7	1.0	88.6	7.3	1.5	88.6	0.1	0.3	1.1	91.1	86.1
Greece	1490	2.5	1.2	80.6	14.8	0.9	80.6	0.1	0.1	0.7	82.0	79.3
Hong Kong	1244	6.1	2.0	70.1	21.1	0.7	70.1	0.0	0.2	0.6	70.0	70.1
Hungary	1107	1.1	0.2	88.7	8.6	1.4	88.7	0.0	0.4	1.0	91.8	85.4
Iceland	675	2.2	1.4	91.6	4.2	0.7	91.6	0.0	0.3	0.3	93.1	90.1
Iran, Islamic Rep.	1387	10.7	1.4	59.6	27.5	0.7	59.6	0.0	0.1	0.6	63.7	56.7
Ireland	1150	4.3	1.2	84.6	8.9	1.0	84.6	0.2	0.4	0.4	87.1	82.1
Israel	564	1.3	0.2	91.4	5.3	1.8	91.4	0.0	1.6	0.1	92.9	91.2
Japan	1939	10.9	3.8	69.7	15.5	0.1	69.7	0.0	0.0	0.1	71.1	68.4
Korea	1098	6.5	1.8	69.7	22.0	0.0	69.7	0.0	0.0	0.0	69.8	69.7
Kuwait	632	15.1	1.3	55.5	26.9	1.2	55.5	0.0	0.5	0.7	54.8	56.3
Latvia (LSS)	888	1.8	1.3	81.1	14.7	1.1	81.1	0.0	0.4	0.7	85.6	76.1
Lithuania	946	4.6	0.6	75.0	18.4	1.4	75.0	0.4	0.7	0.3	80.1	68.9
Netherlands	743	2.8	0.8	92.0	4.3	0.1	92.0	0.0	0.1	0.0	94.7	89.3
New Zealand	1382	12.4	2.6	67.5	16.4	1.0	67.5	0.0	0.1	1.0	72.7	62.8
Norway	1225	2.3	0.6	88.6	7.8	0.6	88.6	0.0	0.1	0.5	91.6	85.6
Philippines	2252	5.6	3.3	62.6	27.8	0.8	62.6	0.0	0.0	0.7	64.8	60.0
Portugal	1274	0.6	0.5	87.4	10.1	1.4	87.4	0.0	0.6	0.8	89.1	85.9
Romania	1382	3.0	1.3	81.8	11.1	2.8	81.8	1.5	0.2	1.1	84.7	79.0
Russian Federation	1525	3.2	0.9	84.2	10.4	1.3	84.2	0.1	0.6	0.5	86.3	81.8
Scotland	1050	4.7	1.0	82.7	10.9	0.7	82.7	0.1	0.1	0.5	87.1	78.8
Singapore	1752	10.5	1.7	73.0	14.2	0.5	73.0	0.0	0.0	0.5	77.1	69.3
Slovak Republic	1324	1.8	0.5	87.0	10.0	0.6	87.0	0.0	0.1	0.6	90.6	83.6
Slovenia	1028	1.4	0.5	88.7	9.0	0.3	88.7	0.0	0.1	0.2	90.4	86.8
South Africa	1709	14.6	11.3	48.3	22.1	3.6	48.3	0.1	0.7	2.8	50.4	47.0
Spain	1453	0.9	0.1	92.3	5.8	0.9	92.3	0.0	0.5	0.4	94.4	90.0
Sweden	1492	4.1	0.7	83.7	10.1	1.4	83.7	0.0	0.7	0.8	85.4	82.0
Switzerland	1802	1.8	2.7	85.7	8.8	1.0	85.7	0.0	0.0	1.0	90.1	81.5
Thailand	2262	2.8	1.0	76.7	19.1	0.4	76.7	0.0	0.2	0.2	80.3	71.2
United States	2651	3.6	1.5	88.8	4.7	1.4	88.8	0.0	0.3	1.1	90.7	86.8
INTERNATIONAL AVG	.	4.3	1.5	79.8	13.1	1.3	79.8	0.1	0.4	0.8	82.3	77.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E09 KEY: D
 Use table of time/temperature to determine point when weather changes. (Earth Science)
 Difficulty: 403

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	1.3	3.6	2.4	88.6	3.2	0.9	88.6	0.0	0.2	0.7	90.4	86.6
Austria	1011	1.8	5.1	2.7	85.5	3.4	1.4	85.5	0.4	0.0	1.1	82.1	89.0
Belgium (Fl)	1096	0.8	2.6	1.2	91.0	3.9	0.5	91.0	0.0	0.1	0.5	93.4	88.6
Belgium (Fr)	956	0.4	1.7	3.7	89.0	4.0	1.3	89.0	0.0	0.7	0.6	89.7	88.2
Bulgaria	812	3.5	3.9	5.2	81.1	4.1	2.1	81.1	0.7	0.3	1.1	81.7	80.8
Canada	3154	1.9	10.8	3.0	78.4	4.6	1.2	78.4	0.1	0.3	0.8	79.4	77.4
Colombia	997	5.3	15.6	5.5	58.8	5.2	9.5	58.8	0.4	5.9	3.2	54.6	63.6
Cyprus	1142	4.4	7.6	6.5	73.2	6.8	1.5	73.2	0.2	0.2	1.0	76.4	69.9
Czech Republic	1267	0.9	2.9	1.5	89.8	4.0	0.9	89.8	0.3	0.1	0.5	88.5	91.1
Denmark	860	1.4	3.2	2.8	86.0	3.8	2.7	86.0	0.3	0.2	2.1	86.6	85.7
England	654	1.0	7.0	2.1	86.0	3.0	0.9	86.0	0.0	0.3	0.6	85.8	86.1
France	1137	0.4	1.4	1.4	94.4	1.2	1.3	94.4	0.1	0.4	0.7	93.8	94.8
Germany	1098	1.9	4.1	5.0	81.2	5.5	2.2	81.2	0.1	0.3	1.8	81.8	81.1
Greece	1490	2.5	9.2	3.4	79.2	4.7	1.1	79.2	0.1	0.3	0.7	78.0	80.3
Hong Kong	1245	2.0	2.9	4.1	85.9	4.3	0.9	85.9	0.0	0.2	0.7	84.3	87.2
Hungary	1107	0.5	2.9	1.9	89.2	3.0	2.6	89.2	0.0	0.6	2.0	88.4	90.0
Iceland	675	6.5	11.4	4.3	72.2	3.3	2.2	72.2	0.5	0.3	1.4	71.0	73.5
Iran, Islamic Rep.	1387	4.7	26.1	10.3	51.6	5.3	2.0	51.6	0.3	0.1	1.6	49.1	53.4
Ireland	1150	2.3	9.3	2.1	79.8	5.7	0.8	79.8	0.2	0.4	0.3	80.0	79.6
Israel	564	2.1	7.1	4.5	78.5	3.8	3.9	78.5	0.0	1.6	2.3	77.9	80.4
Japan	1939	0.1	1.2	2.2	95.1	1.3	0.0	95.1	0.0	0.0	0.0	95.4	94.7
Korea	1098	2.2	9.2	6.6	78.6	3.4	0.0	78.6	0.0	0.0	0.0	79.8	77.5
Kuwait	632	4.7	22.9	4.7	60.5	5.9	1.4	60.5	0.0	0.5	0.9	67.7	53.6
Latvia (LSS)	888	5.7	10.5	5.9	66.9	7.9	3.0	66.9	0.0	0.4	2.6	67.4	66.5
Lithuania	946	5.5	16.2	3.3	61.7	7.7	5.5	61.7	1.3	0.7	3.6	63.3	59.8
Netherlands	742	1.6	3.8	2.4	85.1	6.8	0.3	85.1	0.0	0.1	0.2	82.1	88.1
New Zealand	1382	1.0	3.9	2.3	88.2	3.7	0.9	88.2	0.4	0.1	0.5	86.5	89.7
Norway	1225	2.4	9.6	4.5	78.5	3.6	1.3	78.5	0.0	0.1	1.2	79.6	77.4
Philippines	2252	20.3	37.3	5.9	29.8	6.3	0.4	29.8	0.1	0.0	0.3	28.5	31.5
Portugal	1274	1.8	3.2	2.6	87.0	3.1	2.3	87.0	0.0	0.6	1.6	85.7	88.2
Romania	1382	5.8	7.5	5.9	69.3	6.9	4.6	69.3	1.2	0.3	3.1	70.1	68.7
Russian Federation	1525	2.8	14.6	2.9	63.3	12.9	3.5	63.3	0.2	0.8	2.4	63.3	63.4
Scotland	1050	0.9	7.9	1.9	83.9	4.6	0.8	83.9	0.3	0.1	0.4	81.0	86.5
Singapore	1752	1.1	3.6	1.8	88.0	5.5	0.0	88.0	0.0	0.0	0.0	88.2	87.8
Slovak Republic	1323	2.8	6.2	2.2	81.2	5.9	1.6	81.2	0.2	0.1	1.3	79.3	83.1
Slovenia	1028	2.1	4.4	2.1	86.0	4.0	1.4	86.0	0.3	0.1	1.0	85.6	86.5
South Africa	1709	22.4	21.4	10.5	27.7	15.3	2.7	27.7	0.5	0.7	1.5	24.5	30.8
Spain	1453	1.9	5.5	1.9	87.0	2.8	1.0	87.0	0.0	0.5	0.4	85.7	88.3
Sweden	1492	2.1	7.9	2.4	82.4	3.0	2.1	82.4	0.4	0.8	0.9	80.8	83.7
Switzerland	1802	1.9	3.2	2.4	88.4	3.1	1.1	88.4	0.0	0.0	1.0	88.2	88.5
Thailand	2262	1.4	3.3	3.0	88.9	2.9	0.5	88.9	0.0	0.2	0.3	89.6	87.8
United States	2651	1.6	6.4	3.0	79.6	7.7	1.7	79.6	0.1	0.3	1.4	79.3	80.0
INTERNATIONAL AVG	.	3.3	8.3	3.7	78.0	4.9	1.8	78.0	0.2	0.5	1.2	77.7	78.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E10 KEY: A
 Determine characteristics for classifying animals. (Life Science)
 Difficulty: 563

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	67.6	6.5	14.7	9.3	2.0	67.6	0.0	0.2	1.7	67.1	68.1
Austria	1011	57.2	9.6	19.2	10.0	4.0	57.2	0.9	0.0	3.1	55.0	59.4
Belgium (Fl)	1096	53.0	10.2	18.3	16.8	1.6	53.0	0.0	0.1	1.5	49.8	56.4
Belgium (Fr)	956	58.7	4.0	14.2	19.7	3.5	58.7	0.5	0.7	2.4	59.4	57.9
Bulgaria	812	52.7	11.1	26.4	4.6	5.2	52.7	2.0	0.3	2.9	52.2	53.4
Canada	3154	61.3	5.4	20.2	12.0	1.1	61.3	0.1	0.3	0.7	59.0	64.0
Colombia	997	13.1	17.1	36.1	21.8	11.9	13.1	0.9	6.9	4.1	10.4	16.3
Cyprus	1142	49.4	11.0	24.5	13.7	1.4	49.4	0.1	0.2	1.0	48.0	50.7
Czech Republic	1267	64.6	4.1	15.2	14.5	1.7	64.6	1.0	0.3	0.5	65.5	63.6
Denmark	860	51.5	7.6	24.4	12.0	4.5	51.5	1.8	0.4	2.3	47.6	56.4
England	654	64.9	5.9	16.3	10.2	2.7	64.9	0.0	0.3	2.4	62.6	67.1
France	1137	59.6	5.0	18.5	14.1	2.9	59.6	1.4	0.5	1.0	60.3	59.7
Germany	1098	56.4	6.6	22.4	8.8	5.8	56.4	2.7	0.5	2.7	52.0	62.2
Greece	1490	61.9	7.5	13.4	14.8	2.3	61.9	0.8	0.3	1.2	60.6	63.3
Hong Kong	1245	67.9	8.4	14.8	8.2	0.8	67.9	0.1	0.2	0.6	66.0	69.6
Hungary	1107	46.1	4.2	29.1	17.0	3.6	46.1	0.0	0.7	3.0	43.0	49.3
Iceland	675	62.1	7.1	20.2	8.6	2.1	62.1	0.6	0.3	1.2	64.6	59.6
Iran, Islamic Rep.	1387	29.8	23.7	25.6	19.2	1.6	29.8	0.2	0.1	1.2	28.4	30.9
Ireland	1150	54.4	10.0	19.2	13.4	2.9	54.4	1.5	0.5	1.0	55.7	53.2
Israel	564	70.8	5.6	11.7	7.1	4.8	70.8	0.0	1.6	3.2	70.0	71.8
Japan	1939	81.9	2.6	8.3	6.8	0.5	81.9	0.4	0.0	0.1	79.4	84.3
Korea	1098	73.8	2.8	15.7	7.6	0.0	73.8	0.0	0.0	0.0	69.5	77.3
Kuwait	632	31.6	16.2	25.3	23.2	3.7	31.6	0.0	0.6	3.1	32.1	31.2
Latvia (LSS)	887	51.6	10.9	25.1	7.6	4.9	51.6	0.0	0.6	4.4	53.6	49.5
Lithuania	946	37.7	10.4	33.8	10.0	8.2	37.7	3.9	0.9	3.3	39.3	35.8
Netherlands	742	68.1	5.5	9.6	16.0	0.8	68.1	0.1	0.3	0.4	64.9	71.4
New Zealand	1382	62.4	8.1	17.5	11.0	1.0	62.4	0.2	0.1	0.7	61.0	63.6
Norway	1225	64.2	5.6	16.9	11.0	2.4	64.2	0.0	0.1	2.3	64.5	63.8
Philippines	2252	26.6	24.4	30.5	17.9	0.6	26.6	0.1	0.0	0.4	26.7	26.3
Portugal	1274	31.1	15.7	24.8	23.1	5.3	31.1	0.0	0.8	4.5	27.2	34.6
Romania	1379	35.8	15.3	30.5	9.5	8.9	35.8	5.0	0.5	3.4	34.4	37.1
Russian Federation	1522	44.9	10.1	32.4	6.2	6.4	44.9	2.1	0.8	3.4	44.6	45.2
Scotland	1050	56.4	8.6	17.0	16.4	1.6	56.4	0.5	0.2	1.0	52.3	59.7
Singapore	1752	64.8	3.3	18.6	13.1	0.3	64.8	0.0	0.0	0.3	60.6	68.7
Slovak Republic	1323	46.7	10.5	30.9	5.7	6.2	46.7	3.4	0.2	2.6	48.2	45.3
Slovenia	1028	53.6	3.2	33.2	7.7	2.3	53.6	0.6	0.1	1.7	50.8	57.1
South Africa	1709	21.5	21.3	23.9	28.4	4.9	21.5	1.1	0.7	3.1	20.1	22.3
Spain	1453	51.1	6.7	28.0	11.5	2.7	51.1	0.0	0.7	2.1	48.1	54.3
Sweden	1492	60.8	4.9	21.2	11.2	1.9	60.8	0.3	0.9	0.7	63.6	58.6
Switzerland	1802	62.0	6.6	18.2	10.7	2.4	62.0	1.1	0.2	1.1	60.8	63.2
Thailand	2262	66.2	3.5	23.0	6.8	0.5	66.2	0.0	0.2	0.2	66.3	65.5
United States	2651	58.3	6.9	19.8	13.7	1.3	58.3	0.0	0.3	1.0	57.7	58.9
INTERNATIONAL AVG	.	53.7	8.9	21.6	12.6	3.2	53.7	0.8	0.5	1.8	52.5	54.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E11 KEY: D
 Find shadow size from diagram of bulb/card/screen distances. (Physics)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2726	10.5	13.3	13.7	59.9	2.6	59.9	0.0	0.2	2.4	57.9	61.9
Austria	1011	5.3	9.7	13.8	68.8	2.5	68.8	0.2	0.0	2.3	65.8	71.3
Belgium (Fl)	1096	11.9	12.6	7.5	66.5	1.4	66.5	0.0	0.2	1.2	65.1	68.0
Belgium (Fr)	956	10.3	13.0	11.1	55.9	9.7	55.9	0.0	0.8	8.9	51.8	61.4
Bulgaria	812	11.4	12.4	10.4	58.1	7.7	58.1	0.4	0.3	7.1	58.0	58.3
Canada	3154	13.1	15.1	13.2	57.2	1.4	57.2	0.0	0.3	1.0	57.3	57.5
Colombia	997	11.8	16.5	11.5	48.3	12.0	48.3	0.0	7.6	4.4	43.8	52.1
Cyprus	1142	13.6	18.9	16.3	48.9	2.2	48.9	0.1	0.2	1.9	51.6	46.4
Czech Republic	1268	15.9	10.9	9.0	59.2	5.0	59.2	0.2	0.3	4.5	59.3	59.1
Denmark	860	8.5	14.4	13.2	53.3	10.6	53.3	0.0	0.4	10.2	47.7	59.2
England	654	12.8	12.5	13.1	59.9	1.6	59.9	0.0	0.3	1.3	58.7	61.0
France	1137	9.8	13.5	9.8	60.2	6.7	60.2	0.1	0.7	5.8	59.6	61.6
Germany	1098	9.6	12.3	12.8	54.4	10.9	54.4	0.1	0.5	10.4	51.5	57.7
Greece	1490	9.5	14.8	10.9	59.1	5.8	59.1	0.1	0.4	5.3	59.7	58.5
Hong Kong	1245	12.4	13.9	14.3	58.4	0.9	58.4	0.1	0.2	0.7	55.3	61.1
Hungary	1107	10.3	11.3	9.2	62.8	6.4	62.8	0.0	0.8	5.6	61.9	63.8
Iceland	675	8.1	21.4	19.7	47.5	3.2	47.5	0.1	0.3	2.8	50.5	44.4
Iran, Islamic Rep.	1374	12.0	14.1	14.1	56.6	3.2	56.6	0.0	0.3	2.9	54.4	58.2
Ireland	1150	12.3	13.7	10.2	61.6	2.2	61.6	0.1	0.5	1.5	59.9	63.4
Israel	564	10.3	9.8	9.8	63.0	7.2	63.0	0.0	1.6	5.6	63.6	64.6
Japan	1939	10.5	8.6	8.6	72.0	0.3	72.0	0.0	0.0	0.3	68.8	75.0
Korea	1098	9.1	7.1	4.8	79.0	0.1	79.0	0.0	0.0	0.1	78.1	79.7
Kuwait	632	12.9	15.8	16.5	49.0	5.8	49.0	0.0	0.6	5.2	56.6	41.8
Latvia (LSS)	888	8.8	13.3	10.9	59.5	7.5	59.5	0.0	0.8	6.7	56.9	62.2
Lithuania	946	7.7	9.8	7.8	53.4	21.3	53.4	0.2	1.3	19.9	52.5	54.4
Netherlands	742	10.0	15.1	15.4	58.3	1.2	58.3	0.0	0.3	0.9	55.4	60.9
New Zealand	1382	11.7	14.9	13.4	58.4	1.6	58.4	0.0	0.1	1.5	53.6	62.8
Norway	1225	10.4	14.4	13.5	59.1	2.5	59.1	0.0	0.2	2.3	52.6	65.8
Philippines	2252	10.0	18.1	14.1	57.5	0.3	57.5	0.0	0.0	0.3	59.1	55.4
Portugal	1274	9.9	13.6	11.8	58.4	6.3	58.4	0.0	0.9	5.5	55.2	61.3
Romania	1390	11.3	13.1	8.1	59.6	7.9	59.6	0.3	0.6	7.0	57.2	61.8
Russian Federation	1524	8.4	10.3	6.9	65.7	8.7	65.7	0.1	1.3	7.4	65.4	66.0
Scotland	1050	12.7	13.0	16.3	56.3	1.7	56.3	0.0	0.2	1.5	54.3	58.3
Singapore	1752	17.5	8.5	8.1	65.1	0.8	65.1	0.0	0.0	0.8	61.1	68.9
Slovak Republic	1324	12.8	11.1	9.4	60.7	6.0	60.7	0.3	0.6	5.2	58.2	63.1
Slovenia	1028	10.3	14.5	9.5	61.0	4.7	61.0	0.2	0.1	4.4	59.0	63.6
South Africa	1709	8.5	18.8	12.7	56.8	3.3	56.8	0.6	0.9	1.8	59.2	53.5
Spain	1453	10.3	13.1	12.7	59.0	4.9	59.0	0.0	0.8	4.1	55.2	63.1
Sweden	1492	10.5	10.5	10.6	65.3	3.1	65.3	0.3	0.9	1.9	60.0	70.3
Switzerland	1802	11.7	8.4	11.1	63.9	5.0	63.9	0.0	0.4	4.5	61.7	65.9
Thailand	2262	15.5	9.7	8.3	65.3	1.1	65.3	0.0	0.2	0.9	67.3	62.4
United States	2651	12.8	17.7	14.3	53.9	1.3	53.9	0.0	0.3	1.0	55.0	52.7
INTERNATIONAL AVG	.	11.0	13.2	11.6	59.4	4.7	59.4	0.1	0.6	4.0	58.0	60.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E12 KEY: B
 Identify type of stone involved in cave formation. (Earth Science)
 Difficulty: 562

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	11.2	47.3	35.1	5.0	1.3	47.3	0.0	0.4	0.9	45.0	49.7
Austria	1011	9.6	65.6	19.5	2.5	2.9	65.6	0.5	0.0	2.4	62.6	68.0
Belgium (Fl)	1096	16.1	55.1	17.3	10.2	1.3	55.1	0.0	0.3	1.0	50.9	59.3
Belgium (Fr)	956	12.6	60.3	5.7	14.9	6.5	60.3	0.5	1.0	5.0	60.3	59.8
Bulgaria	812	11.7	69.2	8.3	5.8	4.9	69.2	1.6	0.3	3.0	67.9	70.8
Canada	3154	22.2	41.0	27.4	7.8	1.6	41.0	0.3	0.4	0.9	38.2	44.2
Colombia	997	11.1	32.9	39.8	5.7	10.5	32.9	0.1	8.2	2.2	29.8	35.6
Cyprus	1142	7.1	67.8	13.0	10.4	1.7	67.8	0.2	0.4	1.1	69.0	66.7
Czech Republic	1268	2.1	83.1	10.7	3.1	0.9	83.1	0.1	0.3	0.5	82.6	83.6
Denmark	860	23.5	38.9	16.6	14.8	6.2	38.9	0.6	0.8	4.8	36.5	41.6
England	654	12.0	58.3	26.9	1.9	1.0	58.3	0.0	0.4	0.5	56.5	59.9
France	1137	17.8	60.9	6.7	11.9	2.6	60.9	0.4	0.8	1.4	55.3	66.1
Germany	1098	8.6	56.3	27.7	3.6	3.9	56.3	1.3	0.5	2.1	60.6	52.3
Greece	1490	22.5	44.1	12.5	16.5	4.3	44.1	0.1	0.5	3.8	41.5	46.6
Hong Kong	1244	32.3	39.3	15.1	12.5	0.8	39.3	0.0	0.2	0.5	41.7	37.1
Hungary	1106	1.8	85.6	4.7	4.3	3.6	85.6	0.0	1.0	2.6	85.6	85.6
Iceland	675	14.9	26.0	25.7	32.3	1.1	26.0	0.1	0.6	0.4	25.3	26.6
Iran, Islamic Rep.	1374	13.9	55.7	12.2	16.0	2.2	55.7	0.0	0.9	1.3	54.8	56.5
Ireland	1150	11.8	67.7	13.9	5.7	0.9	67.7	0.2	0.6	0.2	66.0	69.3
Israel	563	9.0	69.7	9.8	7.4	4.2	69.7	0.0	2.3	1.9	66.9	72.8
Japan	1939	20.8	29.0	29.2	20.7	0.3	29.0	0.0	0.0	0.3	26.0	31.8
Korea	1098	13.6	79.0	3.6	3.6	0.2	79.0	0.0	0.0	0.2	79.2	78.8
Kuwait	632	15.6	22.0	24.2	34.3	3.9	22.0	0.0	0.9	3.0	23.6	20.4
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Lithuania	946	11.6	37.5	19.9	20.7	10.3	37.5	0.4	1.7	8.2	37.5	37.5
Netherlands	742	15.9	54.1	20.9	7.9	1.2	54.1	0.0	0.3	1.0	53.4	55.3
New Zealand	1382	13.8	49.5	31.7	4.2	0.8	49.5	0.1	0.1	0.7	44.8	53.8
Norway	1225	12.2	52.3	19.8	14.2	1.5	52.3	0.0	0.3	1.2	50.6	54.0
Philippines	2252	24.2	34.9	27.2	13.4	0.4	34.9	0.0	0.0	0.4	34.5	35.4
Portugal	1274	28.9	52.0	9.9	5.9	3.2	52.0	0.0	1.6	1.6	47.5	56.0
Romania	1390	6.1	64.7	16.1	6.7	6.4	64.7	3.0	1.1	2.4	63.2	65.9
Russian Federation	1524	20.9	44.0	17.5	13.7	3.9	44.0	0.2	1.6	2.1	43.0	45.2
Scotland	1050	18.2	37.3	41.0	2.8	0.7	37.3	0.2	0.2	0.4	34.5	39.7
Singapore	1752	16.8	62.6	11.2	8.7	0.6	62.6	0.0	0.0	0.6	57.5	67.4
Slovak Republic	1324	4.9	86.9	3.1	3.5	1.6	86.9	0.3	0.7	0.6	85.9	87.8
Slovenia	1028	1.4	95.6	1.8	0.6	0.7	95.6	0.0	0.1	0.6	95.7	95.4
South Africa	1709	15.1	25.0	47.8	8.0	4.1	25.0	0.5	1.0	2.6	22.5	27.6
Spain	1453	14.8	53.6	24.3	5.1	2.2	53.6	0.0	1.1	1.2	51.3	56.0
Sweden	1492	12.4	57.0	19.4	9.4	1.8	57.0	0.1	0.9	0.8	57.6	56.8
Switzerland	1802	9.0	61.1	21.3	6.1	2.5	61.1	0.6	0.5	1.4	63.0	59.3
Thailand	2262	15.5	54.5	9.4	20.0	0.6	54.5	0.0	0.3	0.3	55.0	53.3
United States	2651	17.6	44.2	30.7	6.2	1.2	44.2	0.0	0.4	0.8	42.6	45.8
INTERNATIONAL AVG	.	14.2	54.2	19.0	9.9	2.7	54.2	0.3	0.8	1.6	52.8	55.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F01 KEY: B
 Identify characteristic of mammal. (Life Science)
 Difficulty: 482

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	3.9	61.2	20.1	14.1	0.6	61.2	0.0	0.0	0.6	61.4	61.1
Austria	1033	8.8	61.6	14.6	13.2	1.8	61.6	0.1	0.0	1.7	64.2	58.3
Belgium (Fl)	1087	7.9	71.1	12.5	7.7	0.8	71.1	0.0	0.0	0.8	74.7	67.6
Belgium (Fr)	950	21.8	59.1	7.9	8.7	2.5	59.1	0.2	0.2	2.1	59.2	59.0
Bulgaria	494	5.8	85.8	4.0	2.7	1.8	85.8	1.2	0.0	0.6	86.0	85.4
Canada	3142	9.1	61.7	12.0	16.2	1.0	61.7	0.1	0.1	0.8	62.2	61.5
Colombia	989	16.1	57.2	7.7	8.9	10.1	57.2	0.8	3.1	6.2	57.0	57.4
Cyprus	1124	4.2	72.1	13.1	9.1	1.6	72.1	0.5	0.1	1.0	73.4	70.9
Czech Republic	1238	6.4	82.0	4.8	6.1	0.7	82.0	0.1	0.1	0.6	81.9	82.1
Denmark	864	3.1	71.9	11.1	11.0	2.9	71.9	0.3	0.3	2.3	72.9	70.9
England	658	17.0	48.7	13.1	20.9	0.3	48.7	0.0	0.0	0.3	45.2	52.1
France	1142	20.7	61.6	5.2	10.4	2.2	61.6	0.6	0.2	1.4	60.5	62.9
Germany	1076	4.3	69.0	14.7	8.6	3.4	69.0	1.6	0.0	1.8	68.3	69.8
Greece	1501	1.6	72.3	18.8	5.8	1.6	72.3	0.2	0.0	1.4	69.7	74.8
Hong Kong	1246	5.1	80.5	7.2	7.1	0.2	80.5	0.0	0.0	0.2	79.7	81.1
Hungary	1112	2.1	76.6	9.7	9.1	2.5	76.6	0.0	0.3	2.2	78.2	74.9
Iceland	659	9.4	72.2	6.3	11.1	1.1	72.2	0.4	0.4	0.3	74.4	69.9
Iran, Islamic Rep.	1392	5.7	82.5	4.2	5.3	2.3	82.5	0.0	0.1	2.2	84.5	80.8
Ireland	1151	9.4	45.8	9.2	35.4	0.3	45.8	0.2	0.0	0.1	45.1	46.4
Israel	547	4.2	72.7	8.9	12.1	2.1	72.7	0.0	0.8	1.3	71.0	77.8
Japan	1919	2.2	85.4	5.6	6.7	0.1	85.4	0.1	0.0	0.0	85.4	85.4
Korea	1103	5.8	79.6	4.5	10.1	0.1	79.6	0.0	0.0	0.1	77.1	81.6
Kuwait	612	7.2	56.5	15.1	17.7	3.5	56.5	0.0	0.2	3.3	60.6	52.4
Latvia (LSS)	894	2.9	77.6	4.8	12.3	2.3	77.6	0.0	0.3	2.0	79.0	76.0
Lithuania	959	2.6	73.8	8.4	13.1	2.2	73.8	0.8	0.0	1.4	75.9	71.3
Netherlands	735	10.3	71.5	11.7	6.3	0.2	71.5	0.0	0.0	0.2	70.6	72.9
New Zealand	1381	7.6	54.8	16.4	20.7	0.5	54.8	0.3	0.0	0.2	54.5	55.0
Norway	1238	7.2	60.0	11.9	19.7	1.3	60.0	0.0	0.1	1.2	62.3	57.6
Philippines	2246	23.7	41.5	20.1	14.2	0.6	41.5	0.0	0.0	0.6	41.9	40.9
Portugal	1261	13.1	75.2	3.2	7.5	0.9	75.2	0.0	0.1	0.8	73.7	76.6
Romania	1392	6.3	74.1	4.4	10.7	4.4	74.1	3.0	0.1	1.3	74.8	73.5
Russian Federation	1532	1.6	75.4	9.4	9.3	4.2	75.4	1.7	0.3	2.2	80.2	69.8
Scotland	1078	12.9	47.9	15.5	22.4	1.3	47.9	0.5	0.0	0.8	44.8	50.7
Singapore	1715	7.7	61.9	11.7	18.0	0.6	61.9	0.0	0.0	0.6	58.7	65.0
Slovak Republic	1319	2.5	81.2	8.6	6.5	1.2	81.2	0.2	0.0	1.0	81.7	80.8
Slovenia	1041	0.8	90.6	3.0	5.0	0.7	90.6	0.4	0.0	0.3	91.8	89.3
South Africa	1732	14.9	57.8	16.1	9.7	1.6	57.8	0.5	0.0	1.1	55.3	61.0
Spain	1456	13.6	67.8	4.8	12.4	1.4	67.8	0.0	0.1	1.3	65.9	69.7
Sweden	1551	4.8	71.2	11.6	11.5	0.9	71.2	0.4	0.2	0.3	75.9	66.3
Switzerland	1807	5.3	73.6	9.2	9.6	2.3	73.6	0.8	0.0	1.5	77.0	70.3
Thailand	2232	2.8	75.9	11.1	9.4	0.8	75.9	0.0	0.0	0.8	74.0	79.2
United States	2651	9.3	59.1	14.8	15.9	1.0	59.1	0.1	0.1	0.7	59.6	58.5
INTERNATIONAL AVG	.	7.9	68.5	10.2	11.7	1.7	68.5	0.4	0.2	1.2	68.8	68.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F02 KEY: A
 Relate color and light reflection to temperature of object. (Physics)
 Difficulty: 504

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	73.4	2.7	9.7	13.8	0.5	73.4	0.0	0.0	0.4	72.9	73.8
Austria	1033	82.9	3.9	4.6	7.3	1.3	82.9	0.2	0.3	0.8	79.2	86.0
Belgium (Fl)	1087	85.4	2.1	5.5	7.0	0.1	85.4	0.0	0.0	0.1	82.9	87.8
Belgium (Fr)	950	61.3	6.3	9.0	21.8	1.6	61.3	0.4	0.2	1.0	58.3	65.4
Bulgaria	494	81.5	2.0	7.1	6.9	2.4	81.5	1.1	0.0	1.3	83.9	78.5
Canada	3142	67.6	3.5	11.7	16.6	0.6	67.6	0.2	0.1	0.3	66.3	69.5
Colombia	989	14.5	10.2	20.8	47.2	7.3	14.5	0.6	3.2	3.4	11.2	17.7
Cyprus	1124	47.8	7.5	10.6	32.7	1.3	47.8	0.2	0.1	1.1	42.9	52.1
Czech Republic	1238	87.8	0.8	2.4	9.0	0.1	87.8	0.0	0.1	0.0	86.2	89.3
Denmark	864	72.0	4.7	4.3	17.2	1.8	72.0	0.2	0.3	1.3	66.8	78.1
England	658	72.0	2.3	8.3	16.5	0.9	72.0	0.0	0.0	0.9	70.3	73.6
France	1142	64.5	3.6	9.9	20.4	1.6	64.5	0.4	0.2	0.9	60.7	69.2
Germany	1076	79.7	4.8	5.6	8.0	1.9	79.7	0.9	0.1	0.8	76.3	83.5
Greece	1501	60.0	2.5	13.7	22.5	1.3	60.0	0.3	0.0	1.0	54.9	65.1
Hong Kong	1246	80.0	0.8	2.3	16.6	0.2	80.0	0.0	0.0	0.2	75.9	83.6
Hungary	1112	85.2	1.3	2.6	9.5	1.4	85.2	0.0	0.4	1.0	82.8	87.8
Iceland	659	66.9	7.2	3.4	21.4	1.2	66.9	0.3	0.4	0.5	61.9	71.9
Iran, Islamic Rep.	1392	63.1	6.1	6.3	23.6	0.9	63.1	0.0	0.3	0.6	59.5	66.2
Ireland	1151	58.2	3.5	15.4	22.6	0.4	58.2	0.3	0.0	0.1	52.9	63.6
Israel	547	85.8	2.8	2.8	7.4	1.2	85.8	0.0	0.9	0.3	83.7	89.8
Japan	1919	76.0	2.0	6.0	15.6	0.4	76.0	0.2	0.0	0.2	71.1	80.5
Korea	1103	83.2	1.9	11.3	3.6	0.0	83.2	0.0	0.0	0.0	77.8	87.8
Kuwait	612	45.6	4.9	8.7	39.0	1.8	45.6	0.0	0.5	1.3	47.6	43.7
Latvia (LSS)	893	71.5	6.0	5.0	16.3	1.2	71.5	0.0	0.3	0.9	67.9	75.7
Lithuania	959	58.6	5.9	7.9	26.4	1.2	58.6	1.0	0.0	0.3	48.4	70.5
Netherlands	735	86.8	2.6	2.1	8.5	0.1	86.8	0.0	0.0	0.1	84.0	89.1
New Zealand	1381	57.6	3.9	11.2	26.9	0.5	57.6	0.3	0.0	0.2	55.2	59.7
Norway	1238	70.9	3.2	6.4	18.2	1.3	70.9	0.0	0.1	1.1	70.0	71.9
Philippines	2246	37.4	11.9	23.0	27.2	0.5	37.4	0.0	0.0	0.5	36.5	38.4
Portugal	1261	43.1	5.2	22.4	27.8	1.4	43.1	0.0	0.2	1.3	37.7	48.2
Romania	1390	59.1	6.9	6.9	22.9	4.1	59.1	2.3	0.2	1.6	53.1	64.8
Russian Federation	1533	79.7	1.0	1.7	15.2	2.4	79.7	0.5	0.3	1.6	75.7	84.3
Scotland	1078	73.7	1.6	7.5	16.6	0.6	73.7	0.3	0.0	0.2	70.0	77.1
Singapore	1715	87.2	1.7	2.6	8.3	0.2	87.2	0.0	0.0	0.2	84.3	89.9
Slovak Republic	1319	82.4	3.5	4.0	9.4	0.7	82.4	0.4	0.0	0.3	80.2	84.7
Slovenia	1041	83.6	2.8	3.2	10.0	0.4	83.6	0.3	0.0	0.1	82.8	84.5
South Africa	1732	22.2	12.5	31.8	31.4	2.1	22.2	0.2	0.4	1.4	20.1	25.0
Spain	1456	55.0	2.8	13.1	28.5	0.7	55.0	0.0	0.1	0.6	51.3	59.1
Sweden	1552	71.4	2.5	4.3	21.2	0.7	71.4	0.1	0.2	0.4	67.5	75.3
Switzerland	1807	74.1	6.3	7.7	10.6	1.2	74.1	0.5	0.3	0.3	70.9	77.2
Thailand	2232	45.2	0.9	4.2	48.9	0.9	45.2	0.0	0.3	0.6	42.0	50.6
United States	2651	59.9	3.3	13.8	22.3	0.7	59.9	0.1	0.2	0.5	57.4	62.6
INTERNATIONAL AVG	.	67.0	4.1	8.6	19.1	1.2	67.0	0.3	0.2	0.7	63.8	70.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F03 KEY: A
 Identify human organ which interprets senses. (Life Science)
 Difficulty: 486

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2691	77.3	2.4	18.0	1.8	0.5	77.3	0.0	0.0	0.5	76.6	77.9
Austria	1033	81.0	2.5	12.8	2.1	1.6	81.0	0.2	0.3	1.0	80.2	81.3
Belgium (Fl)	1087	43.5	1.2	54.1	0.9	0.3	43.5	0.0	0.0	0.3	41.5	45.4
Belgium (Fr)	950	73.5	6.2	13.8	4.9	1.6	73.5	0.0	0.2	1.4	78.7	68.4
Bulgaria	494	91.2	1.8	3.9	2.6	0.5	91.2	0.3	0.0	0.3	90.4	92.1
Canada	3142	80.5	3.2	14.2	1.4	0.7	80.5	0.1	0.1	0.5	81.7	79.3
Colombia	989	55.9	6.4	26.8	3.2	7.7	55.9	0.3	3.3	4.2	53.9	58.1
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	1238	72.9	4.2	22.3	0.3	0.3	72.9	0.1	0.1	0.1	67.4	78.0
Denmark	864	53.7	3.2	37.6	2.6	2.9	53.7	0.7	0.3	1.9	48.2	59.9
England	658	79.6	2.0	15.3	2.3	0.8	79.6	0.0	0.0	0.8	80.4	78.9
France	1142	75.1	2.4	19.5	2.2	0.8	75.1	0.4	0.2	0.2	73.5	76.2
Germany	1076	79.2	1.6	14.5	2.3	2.4	79.2	1.4	0.3	0.7	78.4	80.9
Greece	1500	38.9	0.4	58.4	1.7	0.6	38.9	0.0	0.1	0.5	35.4	42.3
Hong Kong	1246	88.2	2.6	8.0	1.0	0.3	88.2	0.0	0.0	0.3	87.3	89.0
Hungary	1112	76.3	2.2	20.0	0.2	1.3	76.3	0.0	0.4	0.9	75.4	77.3
Iceland	659	46.8	3.6	46.5	1.3	1.8	46.8	1.2	0.4	0.3	38.8	54.7
Iran, Islamic Rep.	1392	53.9	8.0	34.3	2.8	1.0	53.9	0.0	0.3	0.8	49.4	57.4
Ireland	1151	73.9	3.3	20.3	2.0	0.5	73.9	0.2	0.0	0.3	72.2	75.6
Israel	547	54.3	0.8	41.9	1.3	1.6	54.3	0.0	0.9	0.6	50.4	60.8
Japan	1919	49.7	2.9	46.1	0.8	0.4	49.7	0.3	0.0	0.1	46.6	52.6
Korea	1103	56.9	2.1	39.1	1.8	0.0	56.9	0.0	0.0	0.0	50.0	62.6
Kuwait	612	35.5	7.9	51.6	2.2	2.8	35.5	0.0	0.5	2.3	32.7	38.4
Latvia (LSS)	893	56.5	1.0	38.1	2.6	1.8	56.5	0.0	0.4	1.3	52.8	60.5
Lithuania	958	74.9	0.8	19.4	1.2	3.7	74.9	0.6	0.0	3.1	72.9	77.3
Netherlands	735	80.9	1.9	15.7	1.4	0.1	80.9	0.0	0.0	0.1	78.7	82.9
New Zealand	1381	81.4	2.3	13.3	2.5	0.5	81.4	0.2	0.0	0.3	81.6	81.3
Norway	1238	89.7	2.5	4.4	2.3	1.1	89.7	0.0	0.1	1.0	90.8	88.5
Philippines	2246	62.0	14.0	15.6	7.7	0.7	62.0	0.0	0.0	0.7	61.9	62.4
Portugal	1261	67.8	3.6	23.1	3.7	1.8	67.8	0.0	0.2	1.7	66.0	69.5
Romania	1393	60.2	3.5	27.7	4.0	4.6	60.2	2.6	0.3	1.6	57.8	62.5
Russian Federation	1533	73.8	2.3	15.2	4.3	4.4	73.8	0.5	0.3	3.6	74.0	73.6
Scotland	1078	84.0	1.7	12.4	1.3	0.7	84.0	0.0	0.0	0.7	85.2	82.9
Singapore	1715	83.7	4.1	11.7	0.4	0.1	83.7	0.0	0.0	0.1	83.2	84.2
Slovak Republic	1319	19.3	0.8	78.0	0.5	1.4	19.3	0.8	0.0	0.6	18.0	20.6
Slovenia	1041	43.7	1.1	54.6	0.3	0.3	43.7	0.2	0.0	0.1	37.9	49.9
South Africa	1732	34.0	17.0	15.7	31.1	2.2	34.0	0.4	0.5	1.4	30.9	37.7
Spain	1456	77.9	4.5	15.1	1.5	1.1	77.9	0.0	0.2	0.9	77.9	77.9
Sweden	1552	67.3	4.6	26.0	1.4	0.7	67.3	0.2	0.3	0.2	64.6	70.0
Switzerland	1807	55.1	1.9	40.2	1.4	1.4	55.1	0.9	0.3	0.2	48.1	61.7
Thailand	2232	38.6	2.0	57.5	1.1	0.8	38.6	0.0	0.3	0.5	37.8	40.2
United States	2651	81.0	3.6	12.4	2.2	0.9	81.0	0.0	0.2	0.7	81.3	80.7
INTERNATIONAL AVG	.	65.1	3.5	27.2	2.7	1.4	65.1	0.3	0.3	0.9	63.2	67.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F04 KEY: D
 Predict type of area where soil erosion by rain is most likely. (Environment and other content)
 Difficulty: 471

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	9.1	4.3	6.1	80.0	0.5	80.0	0.0	0.0	0.4	79.5	80.4
Austria	1033	8.8	4.4	8.4	76.4	2.1	76.4	0.4	0.3	1.4	73.9	78.4
Belgium (Fl)	1087	11.0	5.3	15.4	67.8	0.6	67.8	0.0	0.0	0.6	66.7	69.0
Belgium (Fr)	950	31.2	10.2	5.5	49.5	3.7	49.5	0.1	0.2	3.4	45.8	54.4
Bulgaria	494	14.4	8.2	5.8	70.2	1.4	70.2	0.8	0.0	0.6	65.9	75.9
Canada	3142	9.7	7.4	9.3	73.2	0.4	73.2	0.0	0.1	0.3	73.6	72.9
Colombia	989	17.1	4.1	13.3	59.4	6.2	59.4	0.1	3.3	2.8	55.2	63.4
Cyprus	1124	10.2	6.2	6.2	76.4	1.0	76.4	0.0	0.1	0.9	76.6	76.5
Czech Republic	1240	8.9	4.5	3.7	81.9	0.9	81.9	0.0	0.1	0.9	79.0	84.7
Denmark	864	6.9	5.5	13.3	70.4	3.9	70.4	0.4	0.3	3.2	63.4	77.7
England	658	13.4	3.5	3.6	79.1	0.4	79.1	0.0	0.0	0.4	79.5	78.7
France	1142	20.9	6.7	8.8	61.9	1.7	61.9	0.2	0.2	1.3	56.1	66.2
Germany	1076	11.7	6.3	10.6	67.9	3.5	67.9	1.4	0.3	1.8	62.9	73.1
Greece	1501	7.6	2.6	5.2	83.6	1.0	83.6	0.4	0.1	0.5	83.7	83.5
Hong Kong	1249	14.3	3.1	3.4	78.8	0.4	78.8	0.0	0.0	0.4	76.3	80.9
Hungary	1112	8.0	6.3	9.4	74.0	2.2	74.0	0.0	0.4	1.9	73.2	74.8
Iceland	658	13.9	9.8	32.8	42.3	1.2	42.3	0.4	0.4	0.4	35.4	49.2
Iran, Islamic Rep.	.	.	.	.	.	.	.	.	.	.	.	.
Ireland	1151	12.3	7.1	4.2	75.9	0.4	75.9	0.1	0.1	0.3	74.9	77.0
Israel	547	6.9	15.5	11.5	62.6	3.5	62.6	0.0	1.1	2.3	58.3	70.2
Japan	1919	7.9	4.7	8.4	78.9	0.1	78.9	0.0	0.0	0.0	79.4	78.4
Korea	1103	9.9	2.8	2.7	84.5	0.2	84.5	0.0	0.0	0.2	78.7	89.2
Kuwait	612	23.5	7.8	13.4	53.9	1.3	53.9	0.0	0.5	0.8	51.5	56.4
Latvia (LSS)	897	7.8	5.8	6.7	78.2	1.4	78.2	0.0	0.4	1.0	79.9	76.7
Lithuania	959	9.8	10.5	17.0	58.7	4.0	58.7	0.5	0.0	3.5	52.9	65.4
Netherlands	735	3.4	3.2	14.2	79.0	0.2	79.0	0.2	0.0	0.0	76.9	80.8
New Zealand	1381	13.1	5.2	4.2	77.2	0.2	77.2	0.0	0.1	0.1	73.9	80.3
Norway	1238	5.1	4.2	13.9	75.8	0.9	75.8	0.0	0.1	0.8	74.0	77.8
Philippines	2246	16.0	19.3	18.2	45.9	0.6	45.9	0.0	0.0	0.6	46.4	45.4
Portugal	1261	14.1	8.7	15.3	60.2	1.7	60.2	0.1	0.2	1.3	57.9	62.4
Romania	1396	6.9	11.3	13.5	63.7	4.5	63.7	1.8	0.3	2.4	63.7	63.8
Russian Federation	1533	5.1	2.4	9.9	81.1	1.5	81.1	0.4	0.3	0.8	82.2	79.9
Scotland	1078	13.8	6.5	4.4	74.4	0.9	74.4	0.2	0.0	0.8	72.9	76.2
Singapore	1715	3.1	0.9	2.0	93.7	0.2	93.7	0.0	0.0	0.2	94.2	93.3
Slovak Republic	1319	6.4	4.0	12.9	75.2	1.5	75.2	0.3	0.0	1.3	69.2	81.1
Slovenia	1042	8.5	4.4	10.0	76.7	0.5	76.7	0.0	0.0	0.5	72.8	80.8
South Africa	1732	20.3	28.4	17.9	31.4	2.0	31.4	0.3	0.6	1.1	26.4	36.0
Spain	1456	12.3	3.7	10.0	72.9	1.1	72.9	0.0	0.2	0.9	70.0	76.1
Sweden	1552	7.5	3.6	10.2	77.9	0.8	77.9	0.1	0.3	0.4	76.1	79.8
Switzerland	1807	13.0	6.8	8.0	70.7	1.5	70.7	0.1	0.3	1.1	66.0	75.1
Thailand	2232	7.8	1.9	5.5	84.4	0.5	84.4	0.0	0.3	0.3	84.7	84.3
United States	2651	9.1	8.7	10.9	70.5	0.8	70.5	0.0	0.2	0.6	70.4	70.6
INTERNATIONAL AVG	.	11.2	6.7	9.9	70.6	1.5	70.6	0.2	0.3	1.0	68.3	73.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F05 KEY: A
 Relate level of oxygen to elevation. (Earth Science)
 Difficulty: 378

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2691	89.3	4.5	2.2	3.6	0.3	89.3	0.0	0.0	0.3	88.6	89.9
Austria	1033	85.8	5.0	1.2	6.8	1.3	85.8	0.1	0.3	0.9	87.5	83.9
Belgium (Fl)	1087	89.0	5.1	1.2	4.5	0.2	89.0	0.0	0.0	0.2	88.8	89.3
Belgium (Fr)	950	79.5	7.2	2.5	9.5	1.2	79.5	0.2	0.2	0.8	76.4	82.8
Bulgaria	494	91.9	2.4	1.0	3.2	1.4	91.9	0.8	0.0	0.6	92.6	91.1
Canada	3142	90.8	3.8	1.3	3.7	0.4	90.8	0.0	0.1	0.3	91.0	90.4
Colombia	989	63.7	9.5	7.3	13.5	6.0	63.7	0.2	3.4	2.4	59.9	67.4
Cyprus	1124	65.8	13.8	9.9	9.5	1.0	65.8	0.0	0.1	0.8	65.6	66.1
Czech Republic	1240	92.5	1.2	0.1	5.6	0.6	92.5	0.3	0.1	0.2	91.4	93.6
Denmark	864	79.4	5.3	2.3	10.6	2.4	79.4	0.4	0.4	1.6	76.9	81.8
England	658	90.7	2.5	1.2	5.1	0.4	90.7	0.0	0.0	0.4	90.4	90.9
France	1142	68.8	3.6	1.5	23.7	2.4	68.8	1.6	0.5	0.3	67.3	70.2
Germany	1076	85.0	5.2	1.9	5.4	2.5	85.0	1.6	0.3	0.6	84.8	85.8
Greece	1501	77.9	6.7	3.8	10.7	0.9	77.9	0.2	0.1	0.7	74.5	81.2
Hong Kong	1249	91.4	1.6	1.0	5.5	0.4	91.4	0.0	0.0	0.4	90.8	92.0
Hungary	1112	87.4	3.0	1.8	6.5	1.3	87.4	0.0	0.5	0.8	86.5	88.3
Iceland	659	80.6	7.4	2.7	7.0	2.3	80.6	1.6	0.4	0.3	76.7	84.5
Iran, Islamic Rep.	1392	79.9	2.3	4.1	12.6	1.0	79.9	0.1	0.3	0.6	79.1	80.4
Ireland	1151	90.0	1.6	1.4	6.6	0.5	90.0	0.2	0.2	0.1	89.6	90.3
Israel	547	87.0	2.4	2.2	6.7	1.8	87.0	0.0	1.4	0.4	85.0	91.6
Japan	1919	76.5	3.3	0.7	19.3	0.2	76.5	0.2	0.0	0.0	76.3	76.7
Korea	1103	89.2	3.7	1.6	5.3	0.0	89.2	0.0	0.0	0.0	86.7	91.4
Kuwait	612	68.6	4.9	5.8	19.3	1.5	68.6	0.0	0.5	1.0	72.7	64.4
Latvia (LSS)	897	65.3	17.1	5.0	11.0	1.6	65.3	0.0	0.6	1.0	61.7	69.6
Lithuania	959	75.0	5.0	3.0	15.2	1.9	75.0	0.8	0.0	1.0	74.8	75.2
Netherlands	735	87.8	6.6	1.1	4.6	0.0	87.8	0.0	0.0	0.0	89.8	85.6
New Zealand	1381	88.8	3.7	1.6	5.6	0.3	88.8	0.1	0.1	0.1	88.0	89.5
Norway	1238	86.0	5.5	1.1	6.2	1.2	86.0	0.0	0.1	1.1	85.0	87.1
Philippines	2246	58.0	9.8	18.5	13.1	0.6	58.0	0.0	0.0	0.6	57.4	58.9
Portugal	1261	78.3	5.8	7.0	8.0	0.9	78.3	0.0	0.3	0.6	73.3	83.1
Romania	1396	70.4	9.8	6.2	9.3	4.3	70.4	2.0	0.4	1.9	69.6	71.2
Russian Federation	1533	84.4	5.5	1.9	6.6	1.6	84.4	0.3	0.4	1.0	82.5	86.7
Scotland	1078	87.6	3.0	1.4	7.3	0.6	87.6	0.1	0.1	0.4	85.8	89.2
Singapore	1715	96.0	0.9	0.4	2.4	0.2	96.0	0.0	0.0	0.2	95.4	96.7
Slovak Republic	1319	92.3	0.9	0.3	5.7	0.7	92.3	0.2	0.1	0.4	92.9	91.7
Slovenia	1042	87.1	2.6	1.1	8.7	0.4	87.1	0.2	0.0	0.2	88.4	85.5
South Africa	1732	43.1	13.4	9.5	31.6	2.4	43.1	0.2	0.6	1.5	36.0	50.5
Spain	1456	82.5	4.2	3.8	8.9	0.5	82.5	0.0	0.2	0.3	82.0	83.1
Sweden	1552	88.0	4.2	0.9	6.3	0.6	88.0	0.1	0.5	0.1	86.6	89.3
Switzerland	1807	83.1	7.0	0.9	7.4	1.6	83.1	0.9	0.3	0.4	84.4	81.9
Thailand	2232	82.7	1.9	5.7	9.1	0.6	82.7	0.0	0.3	0.3	82.2	83.6
United States	2651	90.1	3.6	1.9	3.6	0.8	90.1	0.0	0.2	0.6	90.5	89.7
INTERNATIONAL AVG	.	81.6	5.2	3.1	8.9	1.2	81.6	0.3	0.3	0.6	80.6	82.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F06 KEY: E
 Relate rusting iron to the presence of oxygen and moisture. (Chemistry)
 Difficulty: 467

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	4.2	8.0	7.7	6.3	72.8	1.0	72.8	0.0	0.1	0.9	72.0	73.6
Austria	1033	4.9	6.4	6.4	6.3	73.0	3.1	73.0	0.6	0.3	2.2	71.9	73.8
Belgium (Fl)	1087	4.1	13.6	4.4	3.6	72.3	2.0	72.3	0.0	0.0	2.0	69.2	75.4
Belgium (Fr)	950	4.9	5.9	9.9	6.3	67.1	5.9	67.1	0.2	0.2	5.5	66.5	68.5
Bulgaria	494	6.1	2.9	4.8	3.0	80.6	2.6	80.6	0.9	0.0	1.7	77.9	84.1
Canada	3142	4.9	7.2	12.4	5.6	68.9	1.0	68.9	0.0	0.1	0.9	70.2	67.6
Colombia	989	3.6	7.1	11.7	11.9	57.8	7.9	57.8	0.3	3.4	4.2	56.1	59.5
Cyprus	1124	5.4	11.2	15.9	7.2	58.7	1.7	58.7	0.1	0.3	1.3	55.9	61.1
Czech Republic	1240	2.0	5.1	8.8	3.9	79.0	1.2	79.0	0.0	0.1	1.0	75.4	82.4
Denmark	864	10.1	7.5	6.7	6.9	62.4	6.4	62.4	0.2	0.4	5.9	59.1	66.5
England	658	3.1	6.8	12.5	4.0	73.0	0.6	73.0	0.0	0.0	0.6	71.7	74.2
France	1142	3.7	6.6	8.1	6.9	71.4	3.2	71.4	0.3	0.5	2.5	69.4	73.8
Germany	1076	4.6	4.4	4.3	4.5	76.5	5.6	76.5	0.5	0.5	4.6	73.7	80.1
Greece	1501	4.2	9.9	9.2	3.7	71.0	1.9	71.0	0.0	0.1	1.9	65.3	76.5
Hong Kong	1249	5.6	4.2	8.1	2.8	78.6	0.7	78.6	0.0	0.0	0.7	74.0	82.8
Hungary	1112	1.8	6.3	4.9	3.0	81.9	2.1	81.9	0.0	0.5	1.5	77.5	86.4
Iceland	659	5.8	3.5	8.9	2.7	77.7	1.4	77.7	0.0	0.4	1.1	78.1	77.3
Iran, Islamic Rep.	1391	2.7	5.4	9.4	5.1	75.9	1.5	75.9	0.0	0.3	1.3	76.2	75.9
Ireland	1151	5.6	9.2	14.7	7.5	62.1	1.0	62.1	0.1	0.2	0.7	58.5	65.8
Israel	547	6.3	4.8	11.0	5.1	68.7	4.1	68.7	0.0	1.4	2.7	64.3	75.4
Japan	1919	5.4	6.1	13.5	3.9	70.3	0.7	70.3	0.7	0.0	0.0	69.0	71.5
Korea	1103	4.5	5.9	11.5	2.0	76.1	0.0	76.1	0.0	0.0	0.0	72.5	79.1
Kuwait	612	3.8	9.9	9.9	4.1	70.7	1.5	70.7	0.0	0.5	1.0	75.6	65.7
Latvia (LSS)	897	3.7	10.1	3.7	17.2	61.7	3.6	61.7	0.0	0.6	3.0	58.7	65.5
Lithuania	959	3.1	7.9	3.5	3.7	75.9	5.9	75.9	0.4	0.0	5.5	72.1	80.5
Netherlands	735	5.0	3.5	7.1	4.1	79.3	1.1	79.3	0.0	0.0	1.1	80.6	78.0
New Zealand	1381	3.8	8.7	10.2	6.3	70.5	0.4	70.5	0.0	0.1	0.3	66.9	73.8
Norway	1238	4.1	7.9	6.2	5.2	74.9	1.7	74.9	0.0	0.1	1.5	75.8	74.0
Philippines	2246	10.8	13.3	17.9	8.3	49.0	0.8	49.0	0.0	0.0	0.7	50.4	47.3
Portugal	1260	2.5	7.8	9.8	3.9	69.7	6.2	69.7	0.0	0.3	5.9	65.4	73.9
Romania	1396	4.4	6.2	3.6	9.0	70.9	5.8	70.9	2.8	0.5	2.6	71.0	70.8
Russian Federation	1533	2.4	6.1	2.8	7.1	79.1	2.5	79.1	0.4	0.4	1.7	78.5	79.7
Scotland	1078	3.8	9.4	10.5	7.4	66.6	2.4	66.6	0.3	0.1	2.0	63.0	69.9
Singapore	1715	1.7	2.6	7.8	1.6	86.0	0.3	86.0	0.0	0.0	0.3	83.5	88.5
Slovak Republic	1319	2.8	6.8	8.2	3.5	76.3	2.4	76.3	0.3	0.2	2.0	74.1	78.5
Slovenia	1042	3.2	7.9	9.0	3.6	75.3	0.9	75.3	0.0	0.0	0.9	72.3	78.6
South Africa	1732	9.4	18.0	16.7	23.7	28.5	3.7	28.5	0.4	0.6	2.6	27.1	30.2
Spain	1456	2.4	5.3	10.2	2.4	77.8	1.9	77.8	0.0	0.2	1.8	76.0	79.8
Sweden	1552	5.3	4.2	8.8	2.0	78.4	1.3	78.4	0.0	0.5	0.8	76.2	80.6
Switzerland	1807	3.6	6.4	7.3	4.8	74.4	3.5	74.4	0.9	0.3	2.3	72.4	76.2
Thailand	2232	4.2	8.2	9.9	3.6	73.5	0.6	73.5	0.0	0.3	0.3	73.9	73.0
United States	2651	5.7	9.5	14.2	7.1	62.3	1.2	62.3	0.0	0.2	1.0	61.8	62.8
INTERNATIONAL AVG	.	4.5	7.3	9.1	5.7	70.9	2.5	70.9	0.2	0.3	1.9	69.0	72.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G07 KEY: A
 Identify correct way to place batteries in a flashlight. (Physics)
 Difficulty: 312

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2706	90.6	3.5	2.5	3.2	0.2	90.6	0.0	0.0	0.2	89.0	92.1
Austria	1046	92.0	1.8	2.5	3.2	0.6	92.0	0.0	0.2	0.4	90.2	93.9
Belgium (Fl)	1085	88.0	3.8	3.8	3.9	0.6	88.0	0.0	0.0	0.6	86.4	89.5
Belgium (Fr)	962	84.1	6.1	2.8	5.7	1.3	84.1	0.0	0.2	1.1	83.2	85.0
Bulgaria	658	94.1	3.6	0.9	0.9	0.5	94.1	0.0	0.1	0.4	94.7	93.6
Canada	3145	89.9	3.1	3.0	3.7	0.2	89.9	0.0	0.0	0.2	88.5	91.3
Colombia	991	76.3	8.1	3.8	6.5	5.2	76.3	0.1	3.7	1.4	72.2	80.9
Cyprus	1137	84.2	5.6	4.8	4.9	0.5	84.2	0.1	0.2	0.2	84.6	84.1
Czech Republic	1218	93.9	1.8	2.1	1.7	0.5	93.9	0.1	0.1	0.3	90.1	97.7
Denmark	865	92.4	2.7	2.2	2.0	0.8	92.4	0.1	0.0	0.7	90.9	94.1
England	657	94.0	2.1	1.6	2.0	0.3	94.0	0.0	0.0	0.3	92.8	95.0
France	1114	89.1	2.8	2.5	5.1	0.5	89.1	0.0	0.1	0.4	87.6	90.6
Germany	1066	85.7	4.3	2.7	3.3	4.0	85.7	0.3	0.2	3.5	87.9	84.2
Greece	1492	84.0	4.8	3.1	6.7	1.3	84.0	0.0	0.2	1.2	80.0	88.0
Hong Kong	1257	92.8	2.3	2.3	2.3	0.3	92.8	0.0	0.0	0.3	91.9	93.5
Hungary	1080	88.5	2.9	4.0	2.9	1.6	88.5	0.1	0.7	0.8	85.6	91.2
Iceland	663	86.3	3.7	3.9	5.2	0.9	86.3	0.0	0.1	0.8	89.1	83.8
Iran, Islamic Rep.	1385	66.6	7.3	13.8	11.5	0.8	66.6	0.1	0.2	0.5	57.1	74.4
Ireland	1148	85.7	5.3	4.6	4.0	0.4	85.7	0.2	0.0	0.2	83.4	88.2
Israel	526	89.0	3.8	2.2	3.3	1.8	89.0	0.0	0.9	0.8	88.3	90.0
Japan	1920	93.7	1.5	1.8	2.9	0.1	93.7	0.0	0.0	0.0	91.9	95.4
Korea	1099	96.7	0.8	0.9	1.7	0.0	96.7	0.0	0.0	0.0	96.4	96.9
Kuwait	598	78.5	4.0	9.7	6.4	1.4	78.5	0.0	0.4	1.0	80.9	76.1
Latvia (LSS)	904	88.8	3.4	3.4	3.4	1.1	88.8	0.0	0.4	0.7	84.3	93.2
Lithuania	972	88.4	2.7	4.0	2.6	2.3	88.4	0.1	0.4	1.8	80.3	97.2
Netherlands	764	88.6	3.8	4.7	2.8	0.1	88.6	0.0	0.0	0.1	87.9	89.4
New Zealand	1365	89.1	3.4	3.7	3.6	0.2	89.1	0.1	0.0	0.1	83.5	94.1
Norway	1235	88.8	4.0	3.5	3.2	0.5	88.8	0.0	0.0	0.5	85.8	91.7
Philippines	2253	73.5	10.2	7.2	8.5	0.5	73.5	0.0	0.0	0.5	71.1	76.5
Portugal	1269	88.8	3.9	2.2	4.2	1.0	88.8	0.0	0.2	0.7	84.8	92.4
Romania	1387	87.9	3.1	3.8	3.6	1.6	87.9	0.4	0.6	0.7	84.7	91.2
Russian Federation	1503	89.1	3.6	3.4	2.6	1.3	89.1	0.2	0.3	0.8	83.1	96.4
Scotland	1072	88.1	4.2	4.7	2.9	0.2	88.1	0.0	0.1	0.1	86.5	89.8
Singapore	1734	96.5	0.5	1.1	1.8	0.2	96.5	0.0	0.0	0.2	96.1	96.8
Slovak Republic	1317	93.2	1.4	2.0	2.7	0.7	93.2	0.1	0.2	0.4	91.0	95.3
Slovenia	1015	93.4	2.4	1.5	2.6	0.1	93.4	0.0	0.0	0.1	91.2	95.7
South Africa	1706	62.2	9.7	12.6	13.9	1.6	62.2	0.2	0.5	0.9	52.3	72.8
Spain	1456	91.0	2.6	2.3	3.6	0.5	91.0	0.0	0.3	0.3	89.4	92.7
Sweden	1546	91.7	1.9	2.1	3.9	0.5	91.7	0.0	0.1	0.4	90.1	93.1
Switzerland	1823	87.8	3.6	2.9	5.3	0.5	87.8	0.0	0.0	0.5	84.4	90.9
Thailand	2185	93.7	1.4	2.8	1.8	0.3	93.7	0.0	0.0	0.3	92.6	95.3
United States	2616	88.0	4.9	3.0	3.4	0.7	88.0	0.0	0.1	0.6	87.3	88.7
INTERNATIONAL AVG	.	87.7	3.7	3.6	4.0	0.9	87.7	0.0	0.2	0.6	85.5	90.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G08 KEY: B
 Identify main function of red blood cells. (Life Science)
 Difficulty: 528

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	14.6	76.2	3.3	5.2	0.8	76.2	0.0	0.0	0.7	76.5	75.8
Austria	1046	12.2	77.4	1.5	5.7	3.2	77.4	0.8	0.2	2.3	74.9	79.9
Belgium (Fl)	1085	22.0	61.9	2.7	12.6	0.8	61.9	0.0	0.0	0.8	53.9	69.3
Belgium (Fr)	962	18.1	62.3	3.5	12.5	3.6	62.3	0.7	0.2	2.7	56.7	68.3
Bulgaria	658	11.0	71.9	4.3	10.0	2.9	71.9	0.3	0.1	2.5	72.7	71.2
Canada	3145	21.4	62.4	4.2	11.6	0.4	62.4	0.1	0.0	0.3	58.8	66.2
Colombia	991	30.7	44.5	1.9	17.5	5.4	44.5	0.0	4.0	1.4	43.8	45.5
Cyprus	1137	22.8	56.9	5.9	12.9	1.5	56.9	0.0	0.3	1.2	59.4	54.5
Czech Republic	1218	3.2	80.3	0.8	14.9	0.9	80.3	0.5	0.1	0.3	79.1	81.5
Denmark	865	20.6	42.7	4.0	27.6	5.2	42.7	0.6	0.0	4.6	40.5	44.6
England	657	14.1	78.3	3.1	4.4	0.1	78.3	0.0	0.0	0.1	72.3	83.5
France	1114	15.9	65.6	3.3	13.0	2.1	65.6	0.3	0.1	1.6	59.8	72.2
Germany	1066	16.3	69.0	2.9	7.3	4.6	69.0	3.1	0.2	1.3	66.5	72.0
Greece	1492	14.4	52.5	3.1	28.0	2.0	52.5	0.0	0.2	1.8	50.4	54.6
Hong Kong	1257	15.1	59.3	4.5	20.6	0.5	59.3	0.2	0.0	0.3	48.6	68.6
Hungary	1080	8.9	69.7	4.0	13.3	4.2	69.7	0.0	0.9	3.3	68.9	70.3
Iceland	663	14.8	62.7	2.7	19.2	0.6	62.7	0.3	0.3	0.0	61.5	63.8
Iran, Islamic Rep.	1385	38.8	28.4	3.3	28.9	0.6	28.4	0.0	0.2	0.4	26.7	29.9
Ireland	1148	17.4	71.4	2.1	8.7	0.4	71.4	0.2	0.0	0.3	69.9	72.9
Israel	526	13.0	65.2	5.9	12.5	3.4	65.2	0.0	0.9	2.4	58.0	72.6
Japan	1920	6.0	81.3	3.7	8.7	0.4	81.3	0.3	0.0	0.0	80.6	82.0
Korea	1099	16.0	62.1	5.7	16.0	0.2	62.1	0.0	0.0	0.2	61.3	62.9
Kuwait	598	33.4	42.0	8.1	13.4	3.1	42.0	0.0	0.4	2.7	46.4	37.6
Latvia (LSS)	904	23.2	45.0	6.7	22.2	2.9	45.0	0.0	0.4	2.5	41.9	48.2
Lithuania	972	26.5	46.5	4.1	11.9	10.9	46.5	0.6	0.4	9.9	45.4	47.7
Netherlands	764	16.2	70.6	3.2	9.7	0.3	70.6	0.1	0.0	0.1	67.9	73.9
New Zealand	1365	20.4	65.5	4.1	9.2	0.7	65.5	0.2	0.0	0.5	59.6	70.9
Norway	1235	23.3	54.9	3.6	17.4	0.9	54.9	0.0	0.0	0.9	51.8	58.0
Philippines	2253	24.1	44.2	13.8	17.4	0.5	44.2	0.0	0.0	0.5	45.9	42.0
Portugal	1269	13.5	74.5	1.5	9.5	1.1	74.5	0.0	0.3	0.7	71.0	77.7
Romania	1386	20.1	51.7	5.0	16.4	6.8	51.7	3.8	0.6	2.4	48.7	54.7
Russian Federation	1503	15.3	57.6	4.5	18.1	4.5	57.6	1.2	0.3	3.0	58.2	57.0
Scotland	1072	20.1	71.0	2.9	5.3	0.7	71.0	0.1	0.1	0.4	69.4	72.7
Singapore	1734	6.8	89.0	0.7	3.3	0.2	89.0	0.0	0.0	0.2	87.9	90.0
Slovak Republic	1317	4.7	81.2	1.8	10.4	2.0	81.2	1.2	0.3	0.5	77.1	85.3
Slovenia	1015	16.3	51.7	3.6	27.0	1.4	51.7	0.2	0.0	1.2	47.9	56.0
South Africa	1706	26.4	34.6	11.8	24.6	2.7	34.6	0.4	0.5	1.8	36.8	32.2
Spain	1456	8.8	81.8	0.9	7.4	1.1	81.8	0.0	0.3	0.9	77.0	86.6
Sweden	1546	21.9	58.8	2.6	15.9	0.8	58.8	0.1	0.2	0.5	55.5	62.2
Switzerland	1823	19.6	63.9	3.6	11.2	1.7	63.9	0.7	0.0	1.1	60.3	67.2
Thailand	2185	15.2	67.7	5.7	11.0	0.4	67.7	0.0	0.0	0.4	67.7	67.9
United States	2616	17.8	69.5	3.8	8.1	0.8	69.5	0.0	0.1	0.8	66.7	72.4
INTERNATIONAL AVG	.	17.6	62.5	4.0	13.8	2.1	62.5	0.4	0.3	1.4	60.1	64.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G09 KEY: C
 Identify reproductive cells involved in heredity. (Life Science)
 Difficulty: 430

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	17.5	4.0	69.8	6.9	1.8	69.8	0.0	0.0	1.8	73.7	65.9
Austria	1046	10.8	4.0	81.8	2.0	1.4	81.8	0.2	0.2	1.1	83.1	81.0
Belgium (Fl)	1085	9.3	2.9	84.6	2.4	0.8	84.6	0.0	0.0	0.8	89.8	79.8
Belgium (Fr)	962	11.9	3.8	75.8	3.3	5.1	75.8	0.6	0.2	4.4	78.8	73.1
Bulgaria	658	6.5	2.5	87.1	2.1	1.8	87.1	0.4	0.1	1.3	88.5	85.5
Canada	3145	10.5	2.5	81.7	4.5	0.8	81.7	0.0	0.0	0.7	85.3	78.8
Colombia	991	7.2	2.5	81.6	2.9	5.8	81.6	0.2	4.1	1.5	83.4	79.5
Cyprus	1137	13.7	8.9	66.7	8.4	2.3	66.7	0.1	0.4	1.9	70.4	62.9
Czech Republic	1218	7.3	1.1	90.3	0.5	0.8	90.3	0.0	0.1	0.7	93.2	87.5
Denmark	865	8.5	3.5	78.1	6.7	3.3	78.1	0.1	0.0	3.2	77.4	78.3
England	657	8.9	3.6	82.3	4.3	0.9	82.3	0.0	0.0	0.9	84.3	80.6
France	1114	6.6	1.4	87.0	3.7	1.3	87.0	0.1	0.1	1.1	89.3	84.5
Germany	1066	11.2	4.8	78.9	2.4	2.6	78.9	0.3	0.3	2.0	83.7	74.3
Greece	1492	16.9	2.9	73.2	4.9	2.1	73.2	0.1	0.2	1.9	74.1	72.3
Hong Kong	1257	6.4	1.3	90.3	1.7	0.3	90.3	0.0	0.1	0.3	91.3	89.4
Hungary	1080	3.6	1.2	91.1	1.5	2.6	91.1	0.0	0.9	1.8	92.7	89.7
Iceland	663	14.3	5.2	76.4	2.7	1.4	76.4	0.3	0.3	0.8	79.5	73.7
Iran, Islamic Rep.	1383	10.8	20.4	41.1	24.7	3.0	41.1	0.1	0.2	2.7	38.7	42.8
Ireland	1148	9.4	2.7	80.2	6.4	1.4	80.2	0.2	0.0	1.2	82.8	77.5
Israel	526	6.4	1.1	88.8	0.9	2.8	88.8	0.0	0.9	1.9	89.0	91.2
Japan	1920	17.8	1.4	69.0	11.6	0.2	69.0	0.0	0.0	0.1	71.7	66.4
Korea	1099	9.8	2.0	77.0	11.0	0.2	77.0	0.0	0.0	0.2	83.3	71.7
Kuwait	598	8.5	3.7	76.6	9.9	1.3	76.6	0.0	0.6	0.7	84.0	69.1
Latvia (LSS)	904	8.1	2.6	70.4	16.3	2.6	70.4	0.0	0.4	2.2	71.5	69.3
Lithuania	972	17.4	1.4	56.6	17.6	7.0	56.6	0.1	0.6	6.3	62.4	50.3
Netherlands	764	12.9	7.4	77.3	2.1	0.4	77.3	0.0	0.0	0.4	80.5	74.0
New Zealand	1365	18.0	3.1	68.2	9.6	1.1	68.2	0.3	0.0	0.8	74.2	62.8
Norway	1235	9.7	4.3	78.8	5.5	1.6	78.8	0.0	0.0	1.6	80.4	77.2
Philippines	2253	7.1	3.0	72.6	16.5	0.9	72.6	0.0	0.1	0.8	75.9	68.5
Portugal	1269	9.6	2.7	82.3	3.8	1.6	82.3	0.0	0.3	1.3	84.2	80.5
Romania	1387	9.6	2.9	76.3	7.0	4.2	76.3	1.2	0.6	2.4	76.5	75.9
Russian Federation	1503	8.4	5.1	72.2	11.1	3.2	72.2	0.3	0.3	2.6	76.3	67.2
Scotland	1072	12.3	2.4	77.2	7.3	0.9	77.2	0.0	0.1	0.8	79.5	75.2
Singapore	1734	11.9	2.5	78.1	7.0	0.5	78.1	0.0	0.0	0.5	79.3	77.0
Slovak Republic	1317	10.8	0.9	81.8	5.0	1.5	81.8	0.1	0.4	1.1	85.9	77.6
Slovenia	1015	9.2	8.6	75.6	5.3	1.2	75.6	0.1	0.0	1.1	77.6	73.4
South Africa	1706	18.0	10.2	45.3	24.0	2.6	45.3	0.5	0.5	1.7	46.5	44.3
Spain	1456	7.5	1.4	87.7	2.2	1.2	87.7	0.0	0.3	1.0	88.6	86.8
Sweden	1546	11.8	3.7	76.4	6.7	1.5	76.4	0.1	0.2	1.3	77.7	75.4
Switzerland	1823	14.0	5.3	73.7	5.3	1.8	73.7	0.1	0.0	1.8	77.7	70.0
Thailand	2185	9.4	1.8	82.1	6.2	0.5	82.1	0.0	0.0	0.4	82.8	80.8
United States	2616	9.5	2.0	82.5	4.3	1.7	82.5	0.0	0.1	1.6	85.4	79.5
INTERNATIONAL AVG	.	10.7	3.8	76.8	6.9	1.9	76.8	0.1	0.3	1.5	79.3	74.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G10 KEY: C
 Select correct statement regarding the atomic makeup of matter. (Chemistry)
 Difficulty: 574

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2706	18.3	15.2	57.7	7.6	1.2	57.7	0.0	0.1	1.1	52.4	63.0
Austria	1046	14.0	16.3	60.0	8.3	1.5	60.0	0.2	0.2	1.2	55.2	64.4
Belgium (Fl)	1085	23.0	11.5	49.3	14.1	2.1	49.3	0.0	0.0	2.1	41.8	56.3
Belgium (Fr)	962	22.6	11.9	43.7	8.3	13.7	43.7	0.1	0.2	13.4	41.8	45.8
Bulgaria	658	12.9	12.2	68.8	3.9	2.2	68.8	0.1	0.1	1.9	73.3	64.0
Canada	3145	21.2	10.2	56.7	11.3	0.5	56.7	0.1	0.0	0.5	53.2	60.5
Colombia	991	21.8	12.6	52.8	6.0	7.0	52.8	0.1	4.3	2.6	52.7	52.6
Cyprus	1137	24.9	14.5	50.4	8.7	1.6	50.4	0.1	0.4	1.1	52.7	47.7
Czech Republic	1220	12.8	24.1	57.8	3.5	1.7	57.8	0.1	0.1	1.6	50.7	64.9
Denmark	865	24.8	11.1	37.6	19.1	7.4	37.6	0.1	0.0	7.2	28.9	46.5
England	657	22.9	13.4	56.1	7.5	0.2	56.1	0.0	0.0	0.2	50.6	60.9
France	1114	21.4	19.1	47.6	7.3	4.6	47.6	0.1	0.1	4.4	44.7	51.1
Germany	1066	13.7	13.2	61.7	7.1	4.3	61.7	0.1	0.3	3.8	55.3	69.0
Greece	1492	17.5	3.4	72.3	5.7	1.3	72.3	0.0	0.2	1.1	70.1	74.3
Hong Kong	1256	32.1	10.7	43.9	12.7	0.7	43.9	0.1	0.1	0.5	38.4	48.7
Hungary	1080	21.7	10.2	60.7	4.2	3.3	60.7	0.0	0.9	2.4	55.5	65.4
Iceland	663	38.0	14.5	40.6	6.3	0.6	40.6	0.0	0.3	0.3	35.0	45.7
Iran, Islamic Rep.	1383	21.9	16.9	47.1	12.2	1.8	47.1	0.0	0.2	1.6	41.7	51.6
Ireland	1148	20.9	15.6	57.3	4.9	1.2	57.3	0.4	0.0	0.8	50.2	64.5
Israel	526	18.6	10.7	61.2	5.5	4.1	61.2	0.0	1.4	2.6	56.5	68.2
Japan	1920	21.1	10.2	58.0	10.4	0.3	58.0	0.0	0.0	0.2	51.4	64.3
Korea	1099	14.5	18.5	59.9	7.1	0.0	59.9	0.0	0.0	0.0	53.9	65.0
Kuwait	598	29.5	18.9	37.0	9.3	5.3	37.0	0.0	0.6	4.7	38.3	35.8
Latvia (LSS)	904	20.7	12.2	60.6	4.2	2.2	60.6	0.0	0.4	1.9	57.5	63.7
Lithuania	972	17.4	9.3	63.2	4.8	5.3	63.2	0.0	0.6	4.8	60.0	66.6
Netherlands	764	21.8	11.6	47.7	16.3	2.6	47.7	0.0	0.0	2.6	42.0	53.7
New Zealand	1365	20.6	11.8	57.3	9.8	0.6	57.3	0.2	0.0	0.4	49.8	64.0
Norway	1235	18.0	6.6	63.4	11.5	0.5	63.4	0.0	0.1	0.4	59.0	67.7
Philippines	2252	35.9	21.4	28.9	13.5	0.4	28.9	0.0	0.1	0.3	29.0	28.8
Portugal	1269	24.4	14.9	49.4	8.2	3.2	49.4	0.0	0.3	2.9	45.4	53.1
Romania	1387	22.7	14.9	52.5	4.5	5.4	52.5	0.4	0.7	4.4	50.4	54.5
Russian Federation	1503	10.1	13.4	67.9	6.4	2.2	67.9	0.1	0.3	1.9	64.8	71.6
Scotland	1072	25.5	14.2	51.0	8.0	1.3	51.0	0.2	0.1	1.0	46.4	55.4
Singapore	1734	12.7	10.7	72.4	3.9	0.2	72.4	0.0	0.0	0.2	69.0	75.9
Slovak Republic	1317	11.6	20.5	61.9	4.0	1.9	61.9	0.2	0.4	1.4	55.5	68.2
Slovenia	1015	14.8	21.5	58.6	3.2	2.0	58.6	0.1	0.0	1.9	52.9	65.0
South Africa	1706	24.5	13.0	42.9	16.9	2.7	42.9	0.5	0.5	1.8	42.6	43.5
Spain	1456	20.4	16.4	56.6	5.0	1.6	56.6	0.0	0.3	1.4	52.1	61.2
Sweden	1546	16.4	8.4	64.5	9.7	1.0	64.5	0.1	0.2	0.8	58.8	69.8
Switzerland	1818	24.0	15.3	43.3	14.5	3.0	43.3	0.0	0.0	3.0	36.7	49.2
Thailand	2185	27.3	18.1	37.4	15.7	1.5	37.4	0.0	0.0	1.5	37.4	37.5
United States	2616	16.0	8.9	67.6	6.7	0.8	67.6	0.1	0.1	0.6	64.3	71.2
INTERNATIONAL AVG	.	20.8	13.8	54.4	8.5	2.5	54.4	0.1	0.3	2.1	50.4	58.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G11 KEY: C
 Identify type of rock from description of its formation. (Earth Science)
 Difficulty: 587

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2706	12.6	14.0	59.2	12.8	1.4	59.2	0.0	0.1	1.3	58.9	59.5
Austria	1046	9.7	11.7	65.4	11.8	1.4	65.4	0.0	0.2	1.2	69.1	61.5
Belgium (Fl)	1085	21.1	19.5	29.3	26.6	3.5	29.3	0.0	0.0	3.5	28.0	30.6
Belgium (Fr)	962	24.9	12.4	29.1	22.2	11.4	29.1	0.1	0.3	11.0	25.5	33.3
Bulgaria	658	7.8	15.9	50.0	18.9	7.4	50.0	0.8	0.3	6.4	50.6	49.7
Canada	3145	10.9	13.2	56.4	18.8	0.6	56.4	0.0	0.0	0.6	56.1	57.5
Colombia	991	17.5	18.0	34.0	20.8	9.8	34.0	0.0	5.0	4.7	35.7	31.7
Cyprus	1137	17.9	20.3	42.9	16.8	2.2	42.9	0.1	0.5	1.6	42.4	43.2
Czech Republic	1220	32.6	4.2	51.8	10.0	1.4	51.8	0.3	0.1	1.0	58.3	45.4
Denmark	865	19.0	24.4	19.8	22.7	14.1	19.8	0.2	0.2	13.6	17.2	22.8
England	657	8.9	12.9	59.1	18.8	0.3	59.1	0.0	0.0	0.3	64.5	54.2
France	1114	8.4	9.5	63.9	16.8	1.4	63.9	0.1	0.1	1.3	64.3	62.5
Germany	1066	7.0	22.5	57.4	8.0	5.2	57.4	0.2	0.6	4.4	56.8	58.7
Greece	1492	6.7	11.1	60.9	19.2	2.1	60.9	0.0	0.2	1.9	62.4	59.5
Hong Kong	1256	3.5	7.3	75.9	12.9	0.5	75.9	0.1	0.2	0.2	75.3	76.4
Hungary	1080	5.6	4.7	81.4	5.9	2.4	81.4	0.0	0.9	1.6	83.3	79.5
Iceland	663	30.9	15.9	45.4	7.1	0.6	45.4	0.0	0.3	0.3	42.4	48.1
Iran, Islamic Rep.	1383	4.3	5.2	83.5	6.2	0.8	83.5	0.0	0.3	0.5	81.6	85.4
Ireland	1148	10.7	7.6	59.9	21.0	0.7	59.9	0.3	0.0	0.4	61.9	58.0
Israel	526	10.6	16.5	53.0	12.9	7.0	53.0	0.0	1.6	5.4	52.7	54.3
Japan	1920	4.6	9.8	65.2	20.1	0.2	65.2	0.1	0.0	0.1	67.2	63.3
Korea	1099	8.1	1.8	80.7	9.5	0.0	80.7	0.0	0.0	0.0	82.4	79.3
Kuwait	598	9.6	16.2	54.6	17.5	2.1	54.6	0.0	0.6	1.5	59.2	50.1
Latvia (LSS)	904	5.9	6.0	77.7	8.5	1.9	77.7	0.0	0.6	1.3	81.7	73.7
Lithuania	972	1.2	7.2	82.9	3.1	5.5	82.9	0.0	0.8	4.7	85.6	80.0
Netherlands	764	8.1	27.2	42.9	20.8	1.0	42.9	0.0	0.0	1.0	39.7	46.0
New Zealand	1365	11.1	28.5	41.4	18.4	0.5	41.4	0.1	0.0	0.4	39.5	43.1
Norway	1235	6.7	16.0	35.0	40.4	1.8	35.0	0.0	0.1	1.7	32.9	37.1
Philippines	2253	11.9	12.7	53.2	21.8	0.4	53.2	0.0	0.1	0.2	53.7	52.3
Portugal	1269	20.5	14.3	44.2	18.9	2.0	44.2	0.0	0.4	1.6	46.7	41.9
Romania	1387	21.3	12.6	45.7	14.4	6.0	45.7	2.1	1.0	3.0	47.5	43.7
Russian Federation	1503	5.6	18.1	60.7	11.7	4.0	60.7	0.2	0.4	3.4	63.6	57.1
Scotland	1072	9.2	23.6	46.3	19.7	1.3	46.3	0.1	0.1	1.0	44.0	48.3
Singapore	1734	10.0	4.9	62.5	21.8	0.8	62.5	0.0	0.0	0.8	63.4	61.6
Slovak Republic	1317	36.1	12.2	17.3	32.0	2.5	17.3	0.2	0.4	1.9	18.1	16.5
Slovenia	1015	12.7	6.6	61.5	17.7	1.5	61.5	0.1	0.0	1.4	64.8	57.8
South Africa	1706	12.7	26.4	24.7	32.9	3.3	24.7	0.4	0.5	2.4	25.9	23.1
Spain	1456	18.9	12.4	46.2	20.2	2.2	46.2	0.0	0.3	1.9	47.9	44.5
Sweden	1546	10.7	21.8	35.9	30.9	0.7	35.9	0.0	0.2	0.5	31.6	40.3
Switzerland	1818	15.1	16.1	54.5	11.7	2.7	54.5	0.0	0.1	2.6	55.6	53.5
Thailand	2185	11.4	9.6	57.1	21.3	0.6	57.1	0.0	0.0	0.6	57.0	57.5
United States	2616	11.5	13.2	57.8	16.3	1.1	57.8	0.0	0.1	1.0	58.7	56.9
INTERNATIONAL AVG	.	12.7	13.9	53.0	17.6	2.8	53.0	0.1	0.4	2.2	53.7	52.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G12 KEY: D
 Identify a nonrenewable natural resource. (Environment and other content)
 Difficulty: 577

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2706	12.4	9.8	17.3	59.6	0.9	59.6	0.0	0.2	0.8	54.5	64.6
Austria	1046	10.3	5.8	28.8	52.6	2.5	52.6	0.3	0.2	2.1	47.2	58.2
Belgium (Fl)	1085	11.3	4.9	24.2	57.8	1.8	57.8	0.0	0.0	1.8	56.4	59.1
Belgium (Fr)	962	11.4	14.8	32.4	36.8	4.6	36.8	1.1	0.4	3.1	35.5	38.7
Bulgaria	658	5.1	4.9	14.2	72.1	3.7	72.1	2.1	0.5	1.1	73.3	70.9
Canada	3145	9.1	7.1	18.0	65.0	0.8	65.0	0.2	0.0	0.6	61.3	69.3
Colombia	991	10.9	14.2	20.4	47.2	7.3	47.2	0.5	5.1	1.7	51.1	42.6
Cyprus	1137	12.1	12.0	17.3	56.7	1.9	56.7	0.4	0.5	0.9	59.0	54.5
Czech Republic	1220	5.6	3.5	37.6	51.1	2.1	51.1	1.6	0.1	0.4	43.3	59.0
Denmark	865	21.0	11.4	12.4	50.1	5.1	50.1	1.9	0.3	2.9	48.1	52.5
England	657	8.3	5.1	14.6	70.4	1.6	70.4	0.0	0.0	1.6	66.5	73.9
France	1114	13.3	13.2	30.6	41.7	1.1	41.7	0.3	0.1	0.7	38.5	46.2
Germany	1066	12.9	9.1	29.7	43.5	4.8	43.5	2.6	0.6	1.6	41.3	46.4
Greece	1492	12.2	14.3	27.8	44.0	1.7	44.0	0.4	0.2	1.0	43.0	45.0
Hong Kong	1256	8.3	4.2	22.1	64.8	0.6	64.8	0.0	0.2	0.4	59.6	69.2
Hungary	1080	6.7	23.3	24.3	40.8	5.0	40.8	0.0	0.9	4.1	30.7	50.2
Iceland	663	9.5	10.3	17.0	62.1	1.1	62.1	0.3	0.3	0.5	58.0	65.8
Iran, Islamic Rep.	1383	11.5	14.1	32.6	40.3	1.4	40.3	0.0	0.3	1.0	36.2	43.8
Ireland	1148	7.2	4.7	9.5	77.1	1.5	77.1	1.3	0.0	0.2	76.5	77.8
Israel	526	7.9	14.7	17.8	55.0	4.7	55.0	0.0	1.6	3.1	50.6	62.1
Japan	1920	8.1	9.3	48.7	33.5	0.4	33.5	0.3	0.0	0.1	23.8	42.6
Korea	1099	4.0	4.5	20.1	71.2	0.3	71.2	0.0	0.0	0.3	60.2	80.4
Kuwait	598	8.6	13.6	24.2	52.2	1.5	52.2	0.0	0.7	0.8	48.0	56.3
Latvia (LSS)	904	7.9	8.0	48.4	32.3	3.5	32.3	0.0	0.6	2.9	30.0	34.6
Lithuania	972	22.8	9.1	21.0	40.6	6.4	40.6	0.8	1.6	4.1	36.3	45.2
Netherlands	764	7.8	5.4	31.7	54.6	0.5	54.6	0.1	0.0	0.4	46.5	62.4
New Zealand	1365	11.2	8.7	19.4	59.9	0.7	59.9	0.5	0.0	0.2	53.0	66.1
Norway	1235	10.4	12.7	25.2	48.7	3.0	48.7	0.0	0.1	2.8	48.8	48.6
Philippines	2253	17.0	21.3	25.6	35.4	0.7	35.4	0.0	0.1	0.5	36.0	34.7
Portugal	1268	11.8	7.6	22.1	56.3	2.2	56.3	0.0	0.4	1.8	54.7	57.8
Romania	1383	12.3	8.5	20.5	48.3	10.4	48.3	7.3	1.3	1.7	47.7	48.9
Russian Federation	1503	7.3	9.5	23.6	55.6	3.9	55.6	1.5	0.7	1.8	53.2	58.5
Scotland	1072	7.5	8.7	18.0	65.0	0.8	65.0	0.1	0.1	0.6	59.5	70.4
Singapore	1734	6.3	2.6	17.4	73.5	0.1	73.5	0.0	0.0	0.1	70.9	76.2
Slovak Republic	1317	5.1	2.9	31.9	57.8	2.3	57.8	1.2	0.4	0.8	55.4	60.2
Slovenia	1015	11.9	9.9	30.0	45.5	2.7	45.5	1.8	0.0	0.9	45.5	45.6
South Africa	1706	14.3	31.4	21.5	30.4	2.4	30.4	0.7	0.5	1.2	24.4	36.7
Spain	1456	8.6	6.0	26.9	56.7	1.9	56.7	0.0	0.5	1.4	51.3	62.1
Sweden	1546	16.0	13.4	32.6	37.1	1.0	37.1	0.2	0.2	0.6	34.0	40.3
Switzerland	1818	14.1	11.3	32.8	39.1	2.6	39.1	0.4	0.2	2.1	33.7	44.0
Thailand	2185	12.4	4.9	21.9	59.9	0.8	59.9	0.0	0.0	0.8	57.7	63.6
United States	2616	12.4	8.6	17.8	60.1	1.2	60.1	0.2	0.1	0.9	56.2	64.2
INTERNATIONAL AVG	.	10.6	10.0	24.5	52.4	2.5	52.4	0.7	0.5	1.3	49.0	55.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H01 KEY: A
 Identify the functions of blood. (Life Science)
 Difficulty: 469

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	78.9	8.8	7.8	4.1	0.4	78.9	0.0	0.0	0.4	80.6	77.1
Austria	1034	88.6	5.5	2.7	1.5	1.7	88.6	0.5	0.1	1.2	86.6	91.1
Belgium (Fl)	1103	74.5	13.2	7.1	3.7	1.5	74.5	0.0	0.3	1.2	73.2	75.8
Belgium (Fr)	980	67.2	12.7	10.6	6.7	2.7	67.2	0.7	0.1	2.0	66.6	68.0
Bulgaria	649	83.3	5.4	4.3	5.6	1.3	83.3	0.2	0.0	1.1	82.4	84.4
Canada	3101	77.1	10.2	6.5	5.7	0.5	77.1	0.1	0.1	0.3	76.8	77.9
Colombia	980	64.2	9.9	14.7	6.8	4.5	64.2	1.1	0.1	3.3	61.7	66.1
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	1231	86.1	7.0	3.3	2.6	1.1	86.1	0.9	0.0	0.2	84.0	88.0
Denmark	872	72.0	11.6	6.9	6.6	2.9	72.0	0.7	0.0	2.2	73.3	71.5
England	654	74.1	12.5	7.7	4.0	1.6	74.1	0.0	0.0	1.6	76.6	71.7
France	1117	66.0	15.2	10.5	7.3	0.9	66.0	0.2	0.1	0.6	66.2	67.4
Germany	1080	83.9	5.0	3.5	3.0	4.7	83.9	3.6	0.0	1.1	88.2	79.5
Greece	1500	66.0	17.2	9.9	4.8	2.1	66.0	1.2	0.0	0.9	64.4	67.4
Hong Kong	1253	81.1	8.0	5.5	4.0	1.5	81.1	0.1	0.0	1.4	81.0	81.2
Hungary	1085	78.6	5.6	8.0	2.9	4.9	78.6	0.0	0.1	4.8	81.9	75.2
Iceland	652	79.9	7.0	9.2	3.0	0.9	79.9	0.8	0.0	0.1	77.4	82.0
Iran, Islamic Rep.	1362	56.1	16.3	14.4	12.1	1.1	56.1	0.3	0.0	0.9	53.7	58.3
Ireland	1156	74.9	12.2	8.3	4.0	0.7	74.9	0.3	0.0	0.4	76.0	73.7
Israel	518	66.8	16.9	7.7	6.4	2.3	66.8	0.0	0.0	2.3	70.0	63.7
Japan	1934	81.5	9.4	4.7	3.9	0.5	81.5	0.5	0.0	0.0	80.8	82.2
Korea	1085	77.5	8.9	6.8	6.7	0.1	77.5	0.0	0.0	0.1	75.3	79.3
Kuwait	638	61.3	11.2	13.3	11.2	3.0	61.3	0.0	0.2	2.7	68.5	54.5
Latvia (LSS)	918	51.1	15.9	17.9	9.6	5.3	51.1	0.0	0.2	5.1	49.5	53.0
Lithuania	934	58.8	22.3	6.9	8.6	3.4	58.8	0.1	0.1	3.2	58.5	59.1
Netherlands	758	74.0	13.2	3.3	9.0	0.5	74.0	0.0	0.0	0.5	74.3	73.4
New Zealand	1364	71.4	11.2	9.7	7.3	0.3	71.4	0.1	0.0	0.2	72.5	70.5
Norway	1216	71.5	9.5	6.4	7.5	5.2	71.5	0.0	0.0	5.2	69.3	73.5
Philippines	2273	52.4	16.2	14.8	14.3	2.2	52.4	0.0	0.0	2.2	52.9	51.8
Portugal	1256	70.8	17.2	5.3	5.4	1.2	70.8	0.0	0.0	1.2	71.5	70.1
Romania	1389	64.0	12.1	7.3	8.0	8.6	64.0	7.1	0.1	1.4	64.6	63.4
Russian Federation	1505	62.4	14.2	9.4	9.7	4.3	62.4	0.8	0.1	3.5	62.6	62.1
Scotland	1050	70.5	10.0	12.8	5.3	1.4	70.5	1.0	0.0	0.5	70.3	71.0
Singapore	1727	73.8	17.4	6.5	2.0	0.3	73.8	0.0	0.0	0.3	71.9	75.8
Slovak Republic	1312	79.9	7.7	4.9	6.0	1.4	79.9	0.9	0.1	0.5	81.4	78.4
Slovenia	1014	73.6	14.9	4.1	4.4	2.9	73.6	2.3	0.0	0.6	71.2	76.3
South Africa	1674	39.3	21.0	20.0	17.0	2.7	39.3	0.3	0.2	2.2	38.3	39.8
Spain	1426	59.6	18.4	13.5	6.2	2.3	59.6	0.0	0.0	2.3	59.0	60.3
Sweden	1489	85.4	5.3	6.4	2.2	0.6	85.4	0.3	0.0	0.3	86.8	84.0
Switzerland	1808	79.3	8.5	5.4	5.4	1.3	79.3	0.8	0.1	0.5	79.2	79.4
Thailand	2145	93.3	2.5	1.7	2.0	0.6	93.3	0.0	0.0	0.6	94.5	91.8
United States	2613	80.1	9.7	6.1	3.7	0.4	80.1	0.0	0.0	0.4	79.8	80.4
INTERNATIONAL AVG	.	72.0	11.6	8.2	6.1	2.1	72.0	0.6	0.0	1.5	72.0	72.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H02 KEY: D
 Identify the role of vitamins. (Life Science)
 Difficulty: 392

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	2.8	2.7	11.8	82.4	0.3	82.4	0.0	0.0	0.3	85.7	79.3
Austria	1034	1.8	6.3	4.9	85.5	1.6	85.5	0.7	0.1	0.8	86.0	84.7
Belgium (Fl)	1103	0.6	2.2	8.7	87.3	1.3	87.3	0.1	0.3	0.9	89.2	85.3
Belgium (Fr)	980	4.3	12.6	11.8	68.1	3.2	68.1	0.7	0.1	2.4	68.2	68.3
Bulgaria	649	2.5	2.5	4.0	89.7	1.3	89.7	0.7	0.0	0.6	90.0	89.4
Canada	3101	2.4	2.7	16.6	77.8	0.5	77.8	0.1	0.1	0.2	80.0	75.8
Colombia	980	1.5	6.1	8.6	81.6	2.3	81.6	0.1	0.3	1.9	85.2	78.2
Cyprus	1062	5.2	12.9	14.1	67.1	0.8	67.1	0.1	0.0	0.7	71.8	62.4
Czech Republic	1231	1.9	11.1	5.4	81.2	0.4	81.2	0.1	0.0	0.3	82.0	80.5
Denmark	872	1.9	5.9	21.3	68.3	2.5	68.3	1.3	0.0	1.2	67.8	69.4
England	654	2.8	1.1	14.4	81.5	0.3	81.5	0.0	0.0	0.3	85.9	77.3
France	1117	4.2	13.3	10.4	70.0	2.1	70.0	1.0	0.1	1.0	66.5	74.2
Germany	1080	2.8	5.0	7.7	82.1	2.5	82.1	1.3	0.1	1.1	83.5	81.2
Greece	1500	2.4	19.3	6.1	71.5	0.7	71.5	0.3	0.0	0.4	73.0	70.1
Hong Kong	1253	7.5	5.8	17.6	67.3	1.7	67.3	0.1	0.0	1.6	66.2	68.3
Hungary	1085	1.2	2.2	1.5	93.8	1.3	93.8	0.0	0.2	1.1	95.0	92.4
Iceland	652	6.4	3.0	12.2	76.9	1.5	76.9	0.2	0.0	1.3	77.5	76.3
Iran, Islamic Rep.	1362	0.8	15.2	6.5	76.8	0.6	76.8	0.1	0.0	0.5	78.4	76.0
Ireland	1156	2.1	1.6	9.0	87.1	0.2	87.1	0.1	0.0	0.1	92.9	81.0
Israel	518	5.4	6.3	5.8	81.1	1.4	81.1	0.0	0.4	1.1	80.0	81.2
Japan	1934	4.6	13.9	19.1	62.2	0.2	62.2	0.1	0.0	0.1	58.4	65.7
Korea	1085	1.0	2.4	4.0	92.5	0.0	92.5	0.0	0.0	0.0	90.7	94.1
Kuwait	638	5.0	13.3	9.1	70.3	2.3	70.3	0.0	0.6	1.7	75.7	65.1
Latvia (LSS)	918	1.3	2.1	4.0	91.5	1.1	91.5	0.0	0.2	0.9	92.3	90.6
Lithuania	934	5.2	5.5	6.5	80.8	2.1	80.8	0.9	0.1	1.0	82.2	79.1
Netherlands	758	1.1	2.6	6.5	89.4	0.4	89.4	0.0	0.3	0.1	87.9	90.9
New Zealand	1364	3.6	2.3	16.3	77.6	0.2	77.6	0.2	0.0	0.0	79.6	75.7
Norway	1216	0.7	1.7	3.8	92.6	1.2	92.6	0.0	0.0	1.2	93.9	91.3
Philippines	2273	5.7	5.1	16.6	70.3	2.2	70.3	0.0	0.0	2.2	72.4	67.9
Portugal	1256	3.5	7.7	5.8	82.5	0.5	82.5	0.0	0.1	0.5	82.2	82.9
Romania	1391	4.9	6.1	15.8	68.3	4.9	68.3	3.6	0.1	1.1	67.9	68.6
Russian Federation	1506	2.1	2.7	2.1	90.9	2.2	90.9	0.3	0.1	1.8	92.5	89.2
Scotland	1050	3.3	1.4	14.2	80.8	0.3	80.8	0.1	0.0	0.2	80.8	80.7
Singapore	1727	1.5	1.8	10.0	86.5	0.2	86.5	0.0	0.0	0.2	89.8	83.5
Slovak Republic	1312	1.5	3.5	5.3	89.0	0.6	89.0	0.1	0.2	0.4	90.1	87.8
Slovenia	1015	3.4	2.3	2.8	90.5	1.0	90.5	0.3	0.0	0.7	89.7	91.4
South Africa	1674	7.5	20.4	36.0	33.8	2.3	33.8	0.4	0.3	1.6	33.5	33.6
Spain	1426	4.2	3.3	12.5	79.4	0.5	79.4	0.0	0.0	0.5	79.8	79.1
Sweden	1491	1.1	3.6	7.7	87.4	0.2	87.4	0.0	0.0	0.2	88.7	86.2
Switzerland	1808	1.5	9.3	8.9	79.1	1.3	79.1	0.8	0.1	0.4	79.4	78.8
Thailand	2145	3.6	4.7	9.2	81.7	0.8	81.7	0.0	0.0	0.8	82.3	80.6
United States	2613	2.9	3.3	18.0	75.3	0.5	75.3	0.0	0.1	0.4	78.9	72.0
INTERNATIONAL AVG	.	3.1	6.1	10.3	79.3	1.2	79.3	0.3	0.1	0.8	80.3	78.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H03 KEY: A
 Select explanation for moonlight. (Earth Science)
 Difficulty: 393

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2694	82.1	3.8	1.2	12.7	0.3	82.1	0.0	0.0	0.2	79.4	84.7
Austria	1034	89.2	2.8	1.0	6.0	1.0	89.2	0.3	0.1	0.6	88.1	90.5
Belgium (Fl)	1103	83.2	4.4	1.0	10.2	1.1	83.2	0.0	0.3	0.8	78.9	87.5
Belgium (Fr)	980	68.4	2.5	2.9	23.2	2.9	68.4	0.4	0.1	2.4	62.8	74.7
Bulgaria	649	86.0	2.3	1.4	8.4	1.9	86.0	0.5	0.0	1.4	87.0	85.0
Canada	3101	81.6	4.4	2.3	11.1	0.5	81.6	0.0	0.1	0.3	77.5	85.7
Colombia	980	62.8	8.7	8.5	16.7	3.2	62.8	0.1	0.5	2.6	56.6	68.9
Cyprus	1062	80.6	10.1	2.5	6.1	0.7	80.6	0.0	0.0	0.7	79.0	82.3
Czech Republic	1231	85.4	4.7	0.9	8.3	0.7	85.4	0.0	0.0	0.7	80.1	90.2
Denmark	872	76.6	5.9	1.7	13.2	2.6	76.6	0.1	0.0	2.5	71.7	81.7
England	654	77.4	4.2	1.7	16.3	0.3	77.4	0.0	0.0	0.3	73.9	80.8
France	1117	76.2	4.1	1.6	17.2	0.9	76.2	0.2	0.1	0.7	74.2	79.2
Germany	1080	87.5	1.3	1.5	7.9	1.7	87.5	1.0	0.1	0.7	83.2	92.5
Greece	1500	81.4	5.9	1.8	10.0	0.9	81.4	0.0	0.0	0.9	80.0	82.7
Hong Kong	1253	94.4	1.7	0.8	1.6	1.4	94.4	0.0	0.0	1.4	92.4	96.0
Hungary	1085	80.6	1.7	2.5	14.2	0.9	80.6	0.0	0.2	0.8	75.3	86.0
Iceland	652	79.3	5.6	0.6	14.0	0.5	79.3	0.2	0.0	0.3	75.2	82.8
Iran, Islamic Rep.	1362	87.9	4.4	4.1	2.6	1.0	87.9	0.0	0.2	0.8	86.5	89.2
Ireland	1156	77.1	5.4	1.3	15.6	0.5	77.1	0.2	0.0	0.3	71.2	83.3
Israel	518	77.5	10.8	2.3	7.8	1.6	77.5	0.0	0.4	1.3	75.9	80.9
Japan	1934	84.3	1.6	1.0	13.0	0.0	84.3	0.0	0.0	0.0	81.1	87.3
Korea	1085	78.0	5.4	3.2	13.4	0.0	78.0	0.0	0.0	0.0	71.8	83.3
Kuwait	638	83.7	5.7	2.7	7.1	0.8	83.7	0.0	0.6	0.2	87.7	79.9
Latvia (LSS)	918	77.1	3.9	2.5	14.1	2.4	77.1	0.0	0.2	2.2	72.4	82.2
Lithuania	934	62.0	5.9	11.4	17.7	3.0	62.0	0.2	0.1	2.6	59.3	65.2
Netherlands	758	91.1	2.4	0.3	5.5	0.7	91.1	0.1	0.3	0.3	89.2	93.2
New Zealand	1364	79.8	4.2	1.7	14.2	0.1	79.8	0.0	0.0	0.1	75.6	83.9
Norway	1216	90.4	1.3	2.1	5.7	0.5	90.4	0.0	0.0	0.5	88.4	92.2
Philippines	2273	74.6	8.5	7.7	6.7	2.4	74.6	0.0	0.0	2.4	73.4	76.1
Portugal	1256	78.6	4.2	1.4	15.1	0.6	78.6	0.0	0.1	0.5	72.5	84.5
Romania	1391	80.0	6.1	2.3	9.0	2.6	80.0	1.0	0.1	1.5	76.5	83.5
Russian Federation	1506	72.5	5.4	2.1	17.6	2.4	72.5	0.3	0.2	1.9	69.0	76.5
Scotland	1050	69.6	4.9	2.9	21.7	0.9	69.6	0.1	0.0	0.8	64.2	74.9
Singapore	1727	96.7	0.8	0.1	2.1	0.3	96.7	0.0	0.0	0.3	96.8	96.7
Slovak Republic	1312	84.2	2.5	1.0	10.9	1.4	84.2	0.2	0.2	1.0	79.6	89.0
Slovenia	1014	82.1	3.8	1.1	12.6	0.4	82.1	0.1	0.0	0.3	76.7	88.0
South Africa	1674	58.0	15.7	12.3	11.4	2.6	58.0	0.3	0.3	2.0	56.9	59.0
Spain	1426	83.8	2.6	0.9	12.5	0.2	83.8	0.0	0.0	0.2	78.2	89.2
Sweden	1491	91.3	2.5	0.8	5.0	0.3	91.3	0.1	0.0	0.2	89.4	93.1
Switzerland	1808	87.1	1.8	0.7	8.8	1.6	87.1	0.3	0.1	1.2	85.9	88.1
Thailand	2145	84.4	4.9	4.8	5.1	0.8	84.4	0.0	0.0	0.8	83.6	85.9
United States	2613	87.7	3.5	2.2	6.0	0.6	87.7	0.1	0.1	0.4	84.3	91.0
INTERNATIONAL AVG	.	80.8	4.6	2.6	10.9	1.2	80.8	0.1	0.1	0.9	77.7	84.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H04 KEY: A
 Identify ground layer containing the most organic material. (Earth Science)
 Difficulty: 581

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2694	56.9	30.6	3.9	7.9	0.7	56.9	0.0	0.0	0.6	53.0	60.6
Austria	1034	64.2	23.4	3.7	6.8	1.9	64.2	0.6	0.1	1.2	61.5	66.6
Belgium (Fl)	1103	64.9	25.5	4.7	4.4	0.6	64.9	0.0	0.3	0.3	65.7	64.0
Belgium (Fr)	979	57.8	22.5	6.9	9.7	3.2	57.8	0.0	0.1	3.1	54.2	62.1
Bulgaria	649	73.0	18.2	2.7	3.6	2.5	73.0	1.2	0.0	1.3	73.4	72.6
Canada	3101	45.5	38.7	4.8	10.3	0.7	45.5	0.0	0.1	0.6	41.4	49.2
Colombia	980	38.4	37.3	3.8	18.8	1.7	38.4	0.0	0.5	1.2	30.5	46.3
Cyprus	1062	50.3	24.2	5.0	18.7	1.8	50.3	0.3	0.0	1.5	45.8	54.8
Czech Republic	1231	70.5	14.9	1.6	12.0	1.0	70.5	0.2	0.0	0.8	64.6	76.0
Denmark	872	43.3	30.6	7.6	12.8	5.7	43.3	0.6	0.0	5.1	36.3	51.0
England	654	48.1	35.0	5.2	11.5	0.3	48.1	0.0	0.0	0.3	40.5	55.4
France	1117	44.5	28.4	5.3	20.4	1.4	44.5	0.2	0.1	1.2	43.5	46.5
Germany	1079	59.0	24.7	5.1	7.8	3.4	59.0	1.1	0.1	2.3	57.6	60.9
Greece	1500	45.0	39.0	3.4	11.2	1.4	45.0	0.1	0.0	1.2	42.3	47.6
Hong Kong	1250	17.0	30.9	17.9	34.1	0.1	17.0	0.0	0.0	0.1	15.0	18.8
Hungary	1085	53.3	34.9	3.3	5.7	2.7	53.3	0.0	0.2	2.5	45.7	61.2
Iceland	652	65.3	27.2	3.1	3.1	1.3	65.3	0.3	0.0	1.0	60.5	69.3
Iran, Islamic Rep.	1362	45.7	27.0	6.1	20.1	1.1	45.7	0.0	0.2	0.9	40.6	49.6
Ireland	1156	51.6	27.8	4.6	15.2	0.8	51.6	0.2	0.0	0.6	46.2	57.2
Israel	518	41.4	37.1	6.6	13.7	1.3	41.4	0.0	0.4	1.0	36.9	46.8
Japan	1934	47.6	31.2	11.9	9.2	0.1	47.6	0.0	0.0	0.1	47.8	47.5
Korea	1085	60.0	28.3	3.4	8.4	0.0	60.0	0.0	0.0	0.0	61.3	58.9
Kuwait	638	47.4	24.8	6.8	18.2	2.8	47.4	0.0	0.6	2.2	44.0	50.6
Latvia (LSS)	915	63.7	26.9	3.3	3.6	2.5	63.7	0.0	0.2	2.3	58.6	68.9
Lithuania	934	61.6	29.4	1.9	4.2	2.9	61.6	0.3	0.1	2.5	57.6	66.3
Netherlands	758	48.1	34.5	7.9	8.5	1.0	48.1	0.0	0.3	0.7	43.2	53.1
New Zealand	1364	45.9	40.0	5.7	8.3	0.2	45.9	0.1	0.0	0.1	39.4	52.1
Norway	1216	53.4	31.0	5.2	9.0	1.4	53.4	0.0	0.0	1.4	48.4	58.1
Philippines	2274	41.9	39.1	3.9	14.8	0.4	41.9	0.0	0.0	0.4	41.6	42.0
Portugal	1256	43.1	36.3	4.1	14.8	1.6	43.1	0.0	0.1	1.6	37.8	48.2
Romania	1391	67.3	17.0	2.6	9.5	3.7	67.3	1.8	0.1	1.7	64.7	69.8
Russian Federation	1506	71.8	15.5	1.1	9.6	1.9	71.8	0.6	0.2	1.0	68.6	75.5
Scotland	1050	47.3	32.2	6.1	13.8	0.7	47.3	0.2	0.0	0.5	45.6	48.9
Singapore	1727	44.7	27.3	8.6	19.0	0.5	44.7	0.0	0.0	0.5	41.3	48.0
Slovak Republic	1313	55.5	27.3	3.1	12.5	1.5	55.5	0.2	0.2	1.1	49.7	61.5
Slovenia	1015	80.1	14.2	1.5	3.1	1.0	80.1	0.6	0.0	0.5	75.6	84.9
South Africa	1674	32.9	33.6	9.0	22.0	2.5	32.9	0.1	0.4	2.0	28.4	37.4
Spain	1426	52.6	30.4	4.1	12.3	0.6	52.6	0.0	0.0	0.6	46.4	58.6
Sweden	1491	52.8	22.7	6.0	17.4	1.1	52.8	0.3	0.0	0.7	47.5	57.5
Switzerland	1808	59.9	25.3	3.6	9.2	2.0	59.9	0.6	0.2	1.2	55.5	63.6
Thailand	2145	76.6	17.8	2.1	3.4	0.2	76.6	0.0	0.0	0.2	75.6	78.0
United States	2613	37.9	40.9	5.9	14.8	0.5	37.9	0.0	0.1	0.4	31.8	43.7
INTERNATIONAL AVG	.	53.0	28.7	5.1	11.7	1.5	53.0	0.2	0.1	1.2	49.2	56.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H05 KEY: B
 Identify source of energy stored in food. (Physics)
 Difficulty: 761

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2694	2.7	29.1	55.2	12.5	0.5	29.1	0.0	0.0	0.5	27.9	30.2
Austria	1034	2.6	24.3	55.8	14.8	2.4	24.3	1.3	0.1	1.1	22.8	25.6
Belgium (Fl)	1103	6.1	16.4	54.2	21.9	1.4	16.4	0.0	0.3	1.1	16.4	16.3
Belgium (Fr)	979	3.6	7.9	70.9	16.1	1.5	7.9	0.2	0.1	1.2	8.7	6.7
Bulgaria	649	3.3	37.8	44.1	12.0	2.9	37.8	1.3	0.0	1.6	37.5	38.1
Canada	3101	4.6	22.0	54.1	18.3	0.9	22.0	0.3	0.1	0.6	19.3	24.6
Colombia	980	5.2	21.6	38.9	32.5	1.8	21.6	0.1	0.6	1.1	17.0	26.0
Cyprus	1062	6.4	12.9	54.2	25.5	1.0	12.9	0.1	0.0	0.8	13.5	12.4
Czech Republic	1231	1.3	25.1	38.5	34.4	0.7	25.1	0.1	0.0	0.6	25.9	24.3
Denmark	872	1.4	16.1	68.8	11.5	2.2	16.1	1.0	0.0	1.2	14.7	18.0
England	654	1.7	38.5	46.2	12.7	0.9	38.5	0.0	0.0	0.9	37.0	40.0
France	1117	4.5	6.5	68.5	18.7	1.8	6.5	0.9	0.1	0.8	6.3	6.9
Germany	1079	2.4	24.6	54.9	12.3	5.7	24.6	4.2	0.1	1.4	24.5	24.4
Greece	1500	3.7	12.4	61.3	21.3	1.3	12.4	0.2	0.0	1.0	12.6	12.1
Hong Kong	1250	11.3	34.9	40.4	13.2	0.2	34.9	0.1	0.0	0.1	33.7	36.0
Hungary	1085	0.5	13.7	75.6	7.9	2.4	13.7	0.0	0.3	2.1	13.1	14.3
Iceland	652	1.6	14.2	54.9	28.0	1.3	14.2	0.6	0.0	0.8	12.7	15.4
Iran, Islamic Rep.	1362	6.1	53.7	34.5	5.2	0.6	53.7	0.0	0.2	0.3	51.0	56.0
Ireland	1156	1.3	34.8	52.1	10.8	0.9	34.8	0.5	0.0	0.5	36.8	32.8
Israel	518	5.0	12.5	73.2	7.6	1.7	12.5	0.0	0.4	1.3	12.0	14.4
Japan	1934	9.0	53.3	10.2	27.2	0.4	53.3	0.3	0.0	0.1	57.6	49.3
Korea	1085	3.4	39.4	23.3	33.9	0.0	39.4	0.0	0.0	0.0	38.6	40.2
Kuwait	638	5.5	23.2	53.8	15.9	1.6	23.2	0.0	0.6	1.0	23.9	22.6
Latvia (LSS)	915	1.7	17.4	60.9	18.1	2.0	17.4	0.0	0.3	1.6	17.2	17.5
Lithuania	934	3.2	12.3	52.1	28.6	3.8	12.3	2.2	0.1	1.5	13.9	10.5
Netherlands	758	2.9	20.7	62.0	14.1	0.3	20.7	0.0	0.3	0.0	19.1	22.4
New Zealand	1364	3.7	25.0	56.9	14.0	0.4	25.0	0.1	0.0	0.2	24.0	26.0
Norway	1216	1.6	34.0	43.4	20.2	0.8	34.0	0.0	0.0	0.8	33.4	34.5
Philippines	2274	7.4	42.9	32.8	16.5	0.4	42.9	0.0	0.0	0.3	43.7	41.9
Portugal	1256	4.7	9.5	49.6	34.6	1.6	9.5	0.0	0.1	1.5	10.3	8.8
Romania	1389	6.6	12.1	58.9	17.0	5.4	12.1	4.4	0.1	0.9	10.6	13.6
Russian Federation	1506	4.4	20.3	46.1	27.0	2.2	20.3	1.1	0.2	0.9	20.4	20.2
Scotland	1050	2.1	35.0	52.5	9.7	0.7	35.0	0.2	0.0	0.5	38.4	31.6
Singapore	1727	4.9	71.6	15.7	7.4	0.3	71.6	0.0	0.0	0.3	71.7	71.6
Slovak Republic	1313	0.9	27.5	42.0	27.7	1.9	27.5	0.8	0.2	0.9	27.2	27.7
Slovenia	1015	4.1	13.4	41.9	38.8	1.8	13.4	0.8	0.0	1.0	13.9	12.8
South Africa	1674	5.6	18.9	41.9	31.6	2.0	18.9	0.5	0.4	1.1	17.9	20.0
Spain	1426	3.7	14.1	59.6	20.8	1.8	14.1	0.0	0.0	1.8	14.2	14.0
Sweden	1491	5.3	33.0	39.6	21.3	0.7	33.0	0.4	0.0	0.3	33.4	32.6
Switzerland	1808	1.3	25.4	59.0	12.3	2.1	25.4	1.4	0.2	0.5	25.4	25.4
Thailand	2145	5.8	23.4	46.7	23.7	0.3	23.4	0.0	0.0	0.3	24.5	21.7
United States	2613	4.0	22.8	58.1	14.4	0.7	22.8	0.1	0.1	0.5	21.7	23.8
INTERNATIONAL AVG	.	4.0	25.1	50.1	19.3	1.5	25.1	0.6	0.1	0.8	24.9	25.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H06 KEY: A
 Know if wood-burning reaction absorbs or releases energy. (Chemistry)
 Difficulty: 577

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2694	61.0	13.5	8.1	16.7	0.8	61.0	0.0	0.0	0.7	54.9	66.8
Austria	1034	71.7	7.1	6.8	13.0	1.3	71.7	0.0	0.1	1.3	62.7	81.4
Belgium (Fl)	1103	60.3	14.3	9.7	13.0	2.6	60.3	0.0	0.3	2.3	56.3	64.2
Belgium (Fr)	979	48.8	14.6	13.2	19.1	4.3	48.8	0.0	0.1	4.2	42.0	56.4
Bulgaria	649	65.4	8.7	8.4	14.4	3.1	65.4	0.7	0.0	2.4	66.0	64.8
Canada	3101	63.1	9.7	7.3	19.2	0.6	63.1	0.0	0.1	0.5	56.4	70.0
Colombia	980	27.8	10.7	22.9	33.4	5.2	27.8	0.1	0.7	4.4	18.9	36.9
Cyprus	1062	52.9	11.7	16.1	18.5	0.8	52.9	0.1	0.0	0.7	50.2	55.5
Czech Republic	1231	56.4	25.9	7.2	9.4	1.0	56.4	0.0	0.0	1.0	47.9	64.4
Denmark	872	17.8	47.3	9.6	22.1	3.2	17.8	0.5	0.0	2.8	13.7	22.4
England	654	66.7	12.3	4.6	16.1	0.3	66.7	0.0	0.0	0.3	61.9	71.2
France	1117	50.9	13.5	13.1	21.1	1.4	50.9	0.2	0.1	1.2	43.1	60.9
Germany	1079	70.8	6.4	6.9	13.2	2.7	70.8	0.2	0.1	2.4	64.1	77.8
Greece	1500	54.1	13.2	7.9	22.8	2.0	54.1	0.2	0.0	1.8	49.7	58.2
Hong Kong	1254	66.7	5.5	10.5	16.6	0.7	66.7	0.0	0.0	0.7	60.1	72.2
Hungary	1084	71.4	7.5	4.5	14.6	2.0	71.4	0.0	0.5	1.5	65.8	77.2
Iceland	651	50.0	21.3	10.7	17.6	0.4	50.0	0.1	0.0	0.2	46.1	53.3
Iran, Islamic Rep.	1363	64.5	4.0	8.5	21.7	1.3	64.5	0.1	0.2	1.0	62.0	67.0
Ireland	1156	64.1	12.8	7.4	15.0	0.8	64.1	0.1	0.1	0.5	58.9	69.4
Israel	518	69.4	8.3	12.7	7.3	2.3	69.4	0.0	0.4	1.9	65.5	73.3
Japan	1934	59.8	9.9	16.5	13.7	0.2	59.8	0.0	0.0	0.2	56.6	62.7
Korea	1085	64.6	17.7	4.8	12.8	0.1	64.6	0.0	0.0	0.1	58.2	69.9
Kuwait	638	37.9	10.3	6.8	42.2	2.8	37.9	0.0	0.6	2.3	34.9	40.6
Latvia (LSS)	918	32.5	14.8	13.4	34.9	4.4	32.5	0.0	0.3	4.0	26.9	38.5
Lithuania	934	48.5	4.9	11.0	30.5	5.1	48.5	0.4	0.1	4.6	43.2	54.8
Netherlands	758	57.0	16.7	11.1	14.3	0.8	57.0	0.0	0.3	0.5	50.0	63.8
New Zealand	1364	60.4	11.2	6.2	21.9	0.2	60.4	0.0	0.0	0.2	52.1	68.3
Norway	1216	45.1	29.1	10.2	14.0	1.5	45.1	0.0	0.0	1.5	36.9	52.9
Philippines	2274	36.1	12.3	7.2	44.0	0.4	36.1	0.0	0.0	0.4	36.6	35.5
Portugal	1256	57.8	12.7	8.6	19.9	1.0	57.8	0.0	0.1	0.9	46.6	68.6
Romania	1390	53.2	6.2	11.2	26.6	2.9	53.2	0.8	0.2	1.9	50.6	55.7
Russian Federation	1506	59.2	8.8	6.1	23.8	2.1	59.2	0.1	0.2	1.7	54.0	65.2
Scotland	1050	60.5	14.6	6.9	17.9	0.1	60.5	0.0	0.0	0.1	54.4	66.4
Singapore	1727	73.8	12.6	5.6	7.5	0.5	73.8	0.0	0.0	0.5	73.2	74.5
Slovak Republic	1312	72.6	7.8	3.7	14.0	2.0	72.6	0.3	0.3	1.4	68.3	77.0
Slovenia	1015	61.1	23.6	4.9	9.4	0.9	61.1	0.1	0.0	0.9	53.1	69.7
South Africa	1674	21.9	25.9	11.0	38.0	3.1	21.9	0.2	0.5	2.4	17.1	26.4
Spain	1426	62.4	15.1	8.6	13.1	0.7	62.4	0.0	0.0	0.7	55.1	69.5
Sweden	1491	46.8	22.9	10.3	19.0	0.9	46.8	0.1	0.0	0.8	39.2	54.2
Switzerland	1808	56.8	11.4	11.6	18.1	2.1	56.8	0.1	0.2	1.8	48.9	63.5
Thailand	2145	52.4	10.7	4.3	31.5	1.0	52.4	0.0	0.0	1.0	51.9	54.0
United States	2613	63.9	12.8	5.6	16.9	0.7	63.9	0.0	0.1	0.7	56.8	70.6
INTERNATIONAL AVG	.	55.7	13.8	9.1	19.7	1.7	55.7	0.1	0.1	1.4	50.3	61.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I10 KEY: C
 Identify nutrition content of fruits and vegetables. (Life Science)
 Difficulty: 433

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	7.3	10.4	67.6	12.0	2.7	67.6	0.0	0.8	1.9	73.8	61.2
Austria	344	1.2	0.6	93.1	2.7	2.4	93.1	0.0	0.0	2.4	95.8	90.4
Belgium (Fl)	361	2.1	1.3	90.0	5.4	1.2	90.0	0.0	0.0	1.2	95.2	84.5
Belgium (Fr)	313	12.7	13.8	68.0	1.0	4.4	68.0	0.0	0.3	4.2	69.6	66.6
Bulgaria	328	3.3	5.0	84.1	3.3	4.2	84.1	1.3	1.6	1.3	85.3	83.2
Canada	1053	7.6	12.4	67.9	11.3	0.7	67.9	0.3	0.0	0.4	70.5	65.5
Colombia	328	11.3	19.1	47.6	14.8	7.1	47.6	0.0	6.3	0.9	49.6	45.9
Cyprus	392	20.5	29.0	38.6	10.1	1.9	38.6	0.6	0.0	1.3	34.0	42.5
Czech Republic	430	0.4	3.5	92.5	1.8	1.8	92.5	0.1	0.7	1.0	95.8	89.1
Denmark	269	1.7	6.5	81.5	5.6	4.7	81.5	1.7	1.4	1.7	85.7	77.4
England	218	4.9	19.5	65.6	9.9	0.0	65.6	0.0	0.0	0.0	68.6	62.9
France	364	19.6	12.3	59.6	6.2	2.2	59.6	0.9	0.0	1.3	57.2	63.1
Germany	369	2.6	3.5	87.1	2.4	4.3	87.1	2.5	0.5	1.3	93.7	80.9
Greece	497	11.8	40.9	31.5	15.3	0.6	31.5	0.2	0.0	0.4	32.9	30.3
Hong Kong	411	17.0	2.3	67.2	12.8	0.7	67.2	0.0	0.2	0.5	72.1	63.1
Hungary	375	2.1	1.3	93.1	0.6	2.9	93.1	0.0	0.9	2.0	94.9	90.9
Iceland	233	1.6	4.2	90.0	0.8	3.4	90.0	0.8	0.4	2.2	89.7	90.3
Iran, Islamic Rep.	463	7.1	20.0	58.8	13.1	1.0	58.8	0.4	0.2	0.4	63.8	54.9
Ireland	378	5.6	16.2	65.3	11.2	1.7	65.3	0.7	0.3	0.8	68.0	62.7
Israel	185	4.1	0.5	86.9	5.1	3.4	86.9	0.0	1.8	1.6	92.3	83.4
Japan	659	3.9	4.7	87.4	3.3	0.8	87.4	0.0	0.0	0.8	88.2	86.6
Korea	364	4.9	2.9	81.4	10.6	0.3	81.4	0.0	0.0	0.3	84.3	79.2
Kuwait	210	11.3	10.7	67.9	5.4	4.7	67.9	0.0	2.0	2.7	77.0	59.6
Latvia (LSS)	286	2.2	4.0	86.7	3.7	3.5	86.7	0.0	1.0	2.4	89.3	84.2
Lithuania	306	2.3	4.4	75.8	10.0	7.5	75.8	1.4	1.3	4.8	75.1	76.6
Netherlands	239	4.1	3.8	84.5	6.0	1.6	84.5	0.4	1.2	0.0	89.5	79.4
New Zealand	468	5.5	12.8	69.9	11.8	0.0	69.9	0.0	0.0	0.0	70.2	69.7
Norway	405	5.3	7.9	81.0	4.6	1.1	81.0	0.0	0.0	1.1	85.7	76.5
Philippines	752	2.8	13.2	69.9	13.4	0.7	69.9	0.0	0.0	0.7	72.7	67.1
Portugal	425	9.7	17.8	66.7	4.4	1.3	66.7	0.0	0.0	1.3	65.3	68.0
Romania	467	4.8	7.8	78.4	2.7	6.2	78.4	2.5	1.0	2.8	82.8	73.8
Russian Federation	507	0.4	2.5	93.3	1.7	2.1	93.3	0.1	0.0	2.0	95.2	91.1
Scotland	345	4.3	21.8	64.2	9.5	0.3	64.2	0.0	0.3	0.0	67.3	61.4
Singapore	597	7.9	2.8	86.8	2.0	0.5	86.8	0.0	0.2	0.2	87.1	86.6
Slovak Republic	449	0.8	7.8	88.8	0.3	2.3	88.8	1.0	0.0	1.3	91.7	85.9
Slovenia	334	1.6	0.8	95.7	1.9	0.0	95.7	0.0	0.0	0.0	95.8	95.6
South Africa	581	8.3	18.4	53.9	16.0	3.4	53.9	0.2	1.3	2.0	53.0	54.4
Spain	479	11.1	19.1	60.9	7.0	1.9	60.9	0.0	0.0	1.9	56.6	65.5
Sweden	478	2.9	4.5	84.6	6.8	1.3	84.6	0.6	0.0	0.7	85.2	84.5
Switzerland	610	3.6	4.5	85.2	4.7	1.9	85.2	0.5	0.2	1.2	85.7	84.7
Thailand	771	2.6	10.5	80.6	5.0	1.4	80.6	0.0	0.7	0.7	83.9	75.3
United States	900	4.5	12.3	70.4	11.1	1.6	70.4	0.1	0.3	1.3	73.6	67.2
INTERNATIONAL AVG	.	5.9	9.9	75.0	6.8	2.3	75.0	0.4	0.6	1.3	77.2	72.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I11 KEY: C
 Know identifying features of insects. (Life Science)
 Difficulty: 615

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	5.8	21.6	52.4	13.9	6.2	52.4	0.0	0.9	5.3	48.6	56.5
Austria	344	5.2	22.9	51.7	8.9	11.4	51.7	0.0	0.0	11.4	46.5	56.0
Belgium (Fl)	361	6.3	26.0	50.0	10.8	6.9	50.0	0.0	0.0	6.9	45.2	55.1
Belgium (Fr)	313	4.1	26.3	53.3	7.8	8.5	53.3	2.7	0.3	5.5	47.1	59.2
Bulgaria	328	3.7	15.8	41.9	21.5	17.1	41.9	11.2	1.6	4.3	39.2	45.2
Canada	1053	8.7	26.8	49.4	11.4	3.8	49.4	1.4	0.0	2.3	45.3	53.8
Colombia	328	18.8	25.5	19.9	15.7	20.2	19.9	4.8	6.4	9.0	15.7	24.7
Cyprus	392	17.6	28.3	35.7	6.9	11.5	35.7	3.9	0.0	7.6	29.2	42.1
Czech Republic	430	4.7	29.4	46.8	11.0	8.1	46.8	2.8	0.7	4.6	43.2	50.5
Denmark	269	6.7	26.6	41.4	4.4	21.0	41.4	9.5	2.2	9.3	39.6	42.3
England	218	7.5	23.7	49.6	14.9	4.2	49.6	0.0	0.0	4.2	44.8	53.8
France	364	6.3	36.6	35.4	7.5	14.2	35.4	6.4	0.0	7.8	32.1	39.1
Germany	369	7.3	24.2	53.6	3.9	11.0	53.6	3.3	0.5	7.2	50.3	57.1
Greece	497	13.0	26.5	44.1	7.8	8.5	44.1	5.1	0.0	3.4	35.9	50.8
Hong Kong	411	11.8	20.7	57.1	8.0	2.5	57.1	1.7	0.2	0.6	51.3	61.9
Hungary	375	7.7	23.2	52.6	5.8	10.7	52.6	0.0	0.9	9.8	48.5	57.3
Iceland	233	10.7	34.5	31.4	14.6	8.8	31.4	6.2	0.4	2.2	26.4	36.6
Iran, Islamic Rep.	463	18.2	30.0	27.6	22.2	2.1	27.6	0.0	0.3	1.8	27.1	28.0
Ireland	378	10.1	21.9	34.7	23.5	9.9	34.7	6.9	0.3	2.8	30.2	39.0
Israel	185	11.0	29.0	36.4	16.0	7.7	36.4	0.0	1.8	5.9	34.9	38.5
Japan	659	2.2	13.1	81.9	2.6	0.1	81.9	0.1	0.0	0.0	78.6	85.0
Korea	364	5.7	13.3	74.3	6.8	0.0	74.3	0.0	0.0	0.0	70.6	76.9
Kuwait	210	15.0	29.7	37.1	11.4	6.7	37.1	0.0	2.3	4.4	40.1	34.5
Latvia (LSS)	287	8.1	33.1	43.7	8.2	6.9	43.7	0.0	1.0	5.8	42.7	44.8
Lithuania	306	9.1	29.5	41.0	9.2	11.1	41.0	1.9	1.6	7.6	39.6	42.8
Netherlands	239	6.5	25.1	53.4	10.8	4.2	53.4	1.2	1.2	1.8	48.9	57.8
New Zealand	468	6.7	16.2	56.1	16.7	4.3	56.1	2.3	0.0	2.0	54.6	57.3
Norway	405	3.5	23.7	57.4	8.4	7.0	57.4	0.0	0.0	7.0	54.1	60.4
Philippines	752	21.1	27.5	25.0	21.4	4.9	25.0	1.9	0.0	3.1	22.4	27.7
Portugal	425	20.2	37.3	27.1	9.1	6.3	27.1	0.0	0.0	6.3	23.5	30.4
Romania	466	21.7	26.2	32.8	3.6	15.8	32.8	3.5	1.5	10.9	29.9	35.8
Russian Federation	506	8.5	19.9	53.2	7.1	11.3	53.2	3.1	0.0	8.2	50.7	56.0
Scotland	345	6.2	35.0	36.3	16.8	5.7	36.3	2.2	0.3	3.2	25.3	46.0
Singapore	597	1.2	19.3	67.6	11.3	0.5	67.6	0.0	0.2	0.3	60.2	74.2
Slovak Republic	449	7.5	27.8	46.5	8.0	10.2	46.5	3.5	0.0	6.7	44.4	48.6
Slovenia	334	9.5	29.2	44.6	10.3	6.3	44.6	1.4	0.0	4.9	40.6	48.4
South Africa	581	19.7	22.9	26.9	18.4	12.2	26.9	2.4	1.4	8.4	23.7	30.2
Spain	479	12.1	32.1	29.9	15.4	10.5	29.9	0.0	0.0	10.5	27.2	32.8
Sweden	478	2.9	19.8	61.2	11.8	4.4	61.2	0.5	0.0	3.9	60.5	61.6
Switzerland	610	8.3	25.2	49.3	6.6	10.6	49.3	5.8	0.2	4.6	42.0	55.9
Thailand	771	8.2	28.3	43.4	18.3	1.7	43.4	0.0	0.7	1.0	43.1	44.0
United States	900	10.8	26.4	43.7	14.8	4.3	43.7	1.1	0.3	2.9	39.4	47.9
INTERNATIONAL AVG	.	9.5	25.7	45.2	11.5	8.1	45.2	2.3	0.6	5.1	41.5	48.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I12 KEY: D
 Determine which set of trials to include in a controlled scientific experiment. (Environment and other content)
 Difficulty: 677

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	12.0	12.1	20.0	46.2	7.9	1.8	46.2	0.0	1.0	0.8	44.6	47.9
Austria	344	16.0	12.1	15.1	39.9	12.7	4.4	39.9	0.0	0.0	4.4	44.8	36.6
Belgium (Fl)	361	14.2	10.2	18.3	45.7	10.5	1.2	45.7	0.0	0.0	1.2	44.4	47.0
Belgium (Fr)	313	15.3	7.2	24.3	41.3	8.3	3.6	41.3	0.6	0.3	2.7	39.0	44.2
Bulgaria	328	15.3	14.0	19.5	35.1	6.3	9.8	35.1	1.5	2.6	5.7	35.9	35.1
Canada	1053	14.9	11.3	26.9	38.1	8.3	0.4	38.1	0.3	0.0	0.2	35.4	40.6
Colombia	328	11.5	13.9	37.8	15.7	10.4	10.7	15.7	0.3	7.9	2.5	18.1	13.4
Cyprus	392	16.1	14.4	27.7	27.5	10.5	3.9	27.5	2.5	0.0	1.3	22.0	32.3
Czech Republic	430	18.5	7.8	20.8	41.5	8.2	3.3	41.5	1.2	0.7	1.4	34.0	48.8
Denmark	269	14.9	8.7	17.4	40.9	8.6	9.5	40.9	3.5	2.2	3.7	38.2	43.4
England	218	15.9	6.6	14.1	53.3	8.6	1.5	53.3	0.0	0.0	1.5	50.3	56.0
France	364	13.1	8.8	26.4	37.8	9.8	4.1	37.8	3.0	0.0	1.1	35.4	40.8
Germany	369	21.4	10.2	21.7	34.9	5.5	6.4	34.9	0.4	0.5	5.6	36.5	33.5
Greece	497	15.1	11.5	31.7	28.8	8.8	4.0	28.8	1.9	0.0	2.0	27.2	30.2
Hong Kong	411	18.0	10.0	22.7	41.7	6.1	1.5	41.7	0.2	0.2	1.1	34.1	48.0
Hungary	375	12.4	5.9	19.2	48.0	8.4	6.0	48.0	0.0	1.2	4.8	44.4	52.1
Iceland	233	22.7	13.8	27.4	27.7	7.0	1.4	27.7	0.2	0.4	0.8	23.1	32.5
Iran, Islamic Rep.	463	15.1	15.7	27.9	18.7	18.8	3.8	18.7	0.2	0.3	3.3	20.1	17.4
Ireland	378	15.9	11.2	27.2	32.6	11.8	1.2	32.6	0.2	0.3	0.7	35.0	30.3
Israel	185	12.9	15.7	20.9	32.1	12.4	5.9	32.1	0.0	2.3	3.7	23.7	43.7
Japan	659	11.5	5.6	8.3	69.0	5.5	0.1	69.0	0.1	0.0	0.0	67.3	70.6
Korea	364	18.1	9.5	15.3	47.3	8.9	0.9	47.3	0.0	0.0	0.9	36.8	54.9
Kuwait	210	8.9	15.0	37.1	17.8	13.8	7.4	17.8	0.5	2.3	4.5	18.5	17.2
Latvia (LSS)	287	12.8	8.7	19.4	41.1	9.3	8.7	41.1	0.0	1.3	7.4	42.9	39.2
Lithuania	306	10.9	9.2	27.9	30.4	9.3	12.4	30.4	1.3	1.6	9.5	30.0	30.8
Netherlands	239	18.6	9.4	12.2	51.7	4.6	3.5	51.7	0.5	1.2	1.8	44.1	59.1
New Zealand	468	16.1	12.2	21.0	36.0	12.5	2.2	36.0	1.2	0.0	1.0	37.1	35.0
Norway	405	14.2	10.1	20.0	41.5	12.4	1.8	41.5	0.0	0.0	1.8	36.9	45.8
Philippines	752	15.2	15.0	37.8	21.1	10.6	0.3	21.1	0.0	0.0	0.3	21.4	21.0
Portugal	425	13.4	11.0	38.5	22.1	13.6	1.4	22.1	0.0	0.0	1.4	22.3	22.0
Romania	468	12.5	6.9	24.7	26.9	12.8	16.2	26.9	3.8	1.7	10.7	28.7	24.9
Russian Federation	507	16.6	8.4	24.9	33.8	9.8	6.5	33.8	0.3	0.0	6.2	32.9	34.8
Scotland	345	10.8	10.8	29.1	39.5	8.5	1.3	39.5	0.3	0.3	0.8	30.9	47.1
Singapore	597	12.1	3.8	8.6	71.5	3.5	0.5	71.5	0.0	0.2	0.3	69.1	73.6
Slovak Republic	449	14.8	8.5	25.2	36.7	10.0	4.9	36.7	2.1	0.2	2.6	36.7	36.7
Slovenia	334	19.2	7.9	21.3	43.2	5.8	2.6	43.2	0.8	0.0	1.8	41.5	45.5
South Africa	581	13.7	12.8	30.9	22.6	16.1	3.9	22.6	1.1	1.4	1.4	22.5	22.5
Spain	479	15.4	15.4	27.3	27.0	10.6	4.3	27.0	0.0	0.3	4.0	27.8	26.2
Sweden	478	12.3	11.4	30.1	30.2	13.7	2.2	30.2	0.6	0.0	1.7	27.9	32.4
Switzerland	610	14.4	10.4	21.5	39.3	10.1	4.3	39.3	1.6	0.2	2.5	35.4	42.8
Thailand	771	23.6	7.8	21.1	37.6	8.1	1.8	37.6	0.0	0.8	1.0	38.9	34.0
United States	900	14.9	14.5	27.7	32.4	9.1	1.4	32.4	0.2	0.3	0.9	33.3	31.5
INTERNATIONAL AVG	.	15.0	10.6	23.7	36.8	9.7	4.1	36.8	0.7	0.8	2.6	35.0	38.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I13 KEY: A
 Select best scale for accurate measurement. (Environment and other content)
 Difficulty: 525

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	50.1	13.3	10.6	12.9	10.9	2.2	50.1	0.0	1.0	1.3	50.0	50.3
Austria	344	75.7	8.9	1.2	9.0	2.9	2.3	75.7	0.0	0.0	2.3	73.6	78.4
Belgium (Fl)	361	71.2	9.7	4.8	12.8	1.3	0.2	71.2	0.0	0.2	0.0	71.1	71.3
Belgium (Fr)	313	75.1	9.0	2.4	9.6	1.5	2.4	75.1	0.0	0.6	1.8	76.6	74.1
Bulgaria	328	63.9	10.9	5.9	10.6	3.5	5.1	63.9	0.2	2.9	2.0	67.6	60.7
Canada	1053	50.5	9.6	12.0	10.8	16.4	0.8	50.5	0.0	0.0	0.8	44.7	56.5
Colombia	328	36.6	12.0	8.2	13.6	17.9	11.7	36.6	0.3	7.9	3.5	34.1	38.8
Cyprus	392	51.5	15.7	11.2	11.1	9.6	0.9	51.5	0.0	0.2	0.7	48.0	55.0
Czech Republic	430	80.3	12.4	2.2	3.8	0.2	1.2	80.3	0.1	0.7	0.4	76.0	84.4
Denmark	269	60.3	13.6	6.9	10.1	5.2	3.9	60.3	0.3	2.4	1.2	58.9	62.5
England	218	51.6	10.6	6.4	14.6	15.9	0.9	51.6	0.0	0.0	0.9	49.1	53.8
France	364	74.6	7.3	4.4	10.1	2.5	1.1	74.6	0.3	0.0	0.8	71.7	78.4
Germany	369	68.2	12.8	7.5	7.1	1.7	2.6	68.2	0.0	1.1	1.6	70.8	65.4
Greece	497	69.4	9.4	3.3	10.6	5.4	1.9	69.4	0.0	0.2	1.7	67.9	70.6
Hong Kong	411	48.3	12.9	10.0	13.2	14.9	0.7	48.3	0.0	0.5	0.2	42.7	52.9
Hungary	375	77.5	6.1	3.4	7.4	2.7	2.8	77.5	0.0	1.2	1.6	74.0	81.6
Iceland	233	56.9	17.7	5.2	10.3	8.7	1.2	56.9	0.0	0.8	0.4	58.9	54.9
Iran, Islamic Rep.	463	33.5	20.8	13.5	15.8	13.2	3.3	33.5	0.0	0.3	3.0	31.9	34.7
Ireland	378	53.6	10.9	7.3	10.2	17.2	0.7	53.6	0.2	0.5	0.0	48.5	58.6
Israel	185	67.7	11.0	3.6	9.2	3.3	5.2	67.7	0.0	2.3	2.9	61.7	76.9
Japan	659	81.1	4.5	3.2	9.7	1.3	0.2	81.1	0.0	0.0	0.2	79.3	82.9
Korea	364	72.1	6.7	5.8	9.3	6.2	0.0	72.1	0.0	0.0	0.0	65.0	77.1
Kuwait	210	36.1	22.6	10.4	9.4	13.0	8.6	36.1	0.0	3.6	5.0	42.6	30.1
Latvia (LSS)	287	68.4	14.2	4.9	7.3	1.7	3.5	68.4	0.0	1.7	1.8	67.4	69.4
Lithuania	306	65.2	12.4	5.1	5.6	2.5	9.3	65.2	0.6	3.2	5.5	63.8	66.7
Netherlands	239	72.0	5.9	5.2	12.0	2.5	2.3	72.0	0.0	1.2	1.0	69.9	74.1
New Zealand	468	42.7	13.1	12.4	12.5	17.6	1.7	42.7	0.2	0.2	1.3	37.5	47.3
Norway	405	72.0	13.5	3.5	7.3	2.9	0.9	72.0	0.0	0.6	0.3	71.1	72.8
Philippines	752	33.5	23.3	12.5	10.5	19.8	0.4	33.5	0.0	0.0	0.4	35.0	32.1
Portugal	425	59.5	14.9	5.6	14.2	5.2	0.7	59.5	0.0	0.3	0.4	59.1	59.9
Romania	469	52.1	20.7	3.6	11.1	3.9	8.6	52.1	1.2	1.7	5.8	51.0	53.3
Russian Federation	507	76.4	11.5	1.7	4.6	0.9	4.9	76.4	0.0	0.0	4.9	77.0	75.7
Scotland	345	48.9	14.4	5.5	10.5	19.2	1.5	48.9	0.0	0.3	1.2	42.4	54.6
Singapore	597	79.7	10.5	3.2	4.0	2.2	0.3	79.7	0.0	0.2	0.1	81.4	78.3
Slovak Republic	449	80.8	5.4	3.3	6.2	0.9	3.3	80.8	0.6	0.2	2.6	82.0	79.7
Slovenia	334	76.4	8.9	2.9	11.2	0.3	0.4	76.4	0.0	0.0	0.4	73.4	79.4
South Africa	581	26.1	18.6	15.0	13.0	23.6	3.7	26.1	0.2	1.5	2.0	25.5	25.9
Spain	479	67.2	11.7	5.3	10.1	4.3	1.3	67.2	0.0	0.6	0.7	68.1	66.3
Sweden	478	64.2	14.1	4.1	12.2	4.4	1.0	64.2	0.0	0.2	0.8	60.9	67.0
Switzerland	610	69.3	11.0	5.3	9.2	1.8	3.3	69.3	0.3	0.2	2.8	62.6	75.4
Thailand	771	46.5	9.2	8.4	14.0	20.8	1.2	46.5	0.0	0.9	0.2	45.9	47.5
United States	.	.	.	.	.	.	.	.	.	.	.	.	.
INTERNATIONAL AVG	.	61.1	12.2	6.3	10.2	7.6	2.6	61.1	0.1	1.0	1.6	59.5	62.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I14 KEY: D
 Relate elbow action to a simple machine. (Life Science)
 Difficulty: 561

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	5.0	25.9	8.2	58.0	2.8	58.0	0.0	1.0	1.9	58.8	57.2
Austria	344	6.0	17.3	4.5	69.2	2.9	69.2	0.0	0.0	2.9	67.8	71.2
Belgium (Fl)	361	3.3	15.9	14.3	64.3	2.2	64.3	0.0	0.2	1.9	65.2	63.3
Belgium (Fr)	313	9.5	12.2	5.1	68.8	4.4	68.8	0.0	0.6	3.8	71.5	67.4
Bulgaria	328	8.8	20.2	17.5	45.6	8.0	45.6	0.3	2.9	4.8	49.2	41.8
Canada	1053	8.3	22.2	9.5	59.5	0.5	59.5	0.0	0.0	0.5	61.7	58.2
Colombia	328	18.4	12.9	7.5	51.2	10.0	51.2	0.3	8.5	1.2	52.5	49.5
Cyprus	392	11.4	22.1	10.5	52.9	3.1	52.9	0.0	0.2	2.8	59.2	47.3
Czech Republic	430	4.4	13.4	5.9	72.8	3.5	72.8	0.2	0.7	2.6	70.8	74.7
Denmark	269	14.8	19.0	12.7	39.1	14.4	39.1	0.0	2.4	12.0	33.8	44.6
England	218	3.1	22.9	3.4	70.2	0.4	70.2	0.0	0.0	0.4	71.5	69.1
France	364	12.4	12.0	5.7	66.6	3.3	66.6	0.3	0.0	3.0	63.6	70.5
Germany	369	5.1	11.8	9.0	67.9	6.2	67.9	0.4	1.1	4.8	69.7	65.9
Greece	497	15.9	22.3	5.9	54.0	2.0	54.0	0.2	0.2	1.6	49.3	57.8
Hong Kong	411	10.6	12.3	24.8	51.3	1.0	51.3	0.0	0.5	0.5	50.4	52.2
Hungary	375	4.8	5.7	4.0	83.4	2.0	83.4	0.0	1.2	0.9	81.0	86.2
Iceland	233	17.6	23.3	15.9	39.1	4.1	39.1	0.9	0.8	2.3	35.2	43.1
Iran, Islamic Rep.	463	22.7	14.5	14.3	45.9	2.5	45.9	0.0	0.4	2.1	43.2	48.1
Ireland	378	5.9	19.4	6.6	66.6	1.5	66.6	0.0	0.5	1.1	70.7	62.6
Israel	185	16.0	7.2	2.3	68.2	6.4	68.2	0.0	3.2	3.2	56.9	82.6
Japan	659	1.2	25.2	22.4	50.5	0.7	50.5	0.0	0.0	0.7	46.4	54.2
Korea	364	4.3	50.5	8.8	36.4	0.0	36.4	0.0	0.0	0.0	33.5	38.6
Kuwait	210	20.4	14.4	14.8	41.6	8.9	41.6	0.0	5.6	3.3	54.1	30.1
Latvia (LSS)	287	20.6	12.4	24.5	34.1	8.4	34.1	0.0	2.1	6.4	30.2	38.1
Lithuania	306	20.1	7.7	11.1	44.3	16.8	44.3	0.0	3.2	13.5	38.7	51.1
Netherlands	239	3.8	18.8	10.9	64.4	2.0	64.4	0.0	1.2	0.8	66.6	62.6
New Zealand	468	7.6	25.5	8.7	56.5	1.7	56.5	0.0	0.8	1.0	56.9	56.2
Norway	405	16.1	29.2	19.4	31.0	4.4	31.0	0.0	0.6	3.8	34.1	28.0
Philippines	752	31.4	24.2	12.6	31.6	0.1	31.6	0.0	0.0	0.1	29.8	33.8
Portugal	425	21.6	23.6	10.4	38.8	5.6	38.8	0.0	0.4	5.2	36.1	41.3
Romania	469	34.0	15.0	3.1	40.0	8.0	40.0	0.6	2.1	5.3	41.2	38.7
Russian Federation	507	9.4	9.1	4.2	70.4	6.9	70.4	0.0	0.0	6.9	76.4	63.8
Scotland	345	4.6	24.8	8.1	61.6	0.9	61.6	0.0	0.3	0.7	64.4	59.0
Singapore	597	12.7	16.6	14.5	55.9	0.3	55.9	0.0	0.2	0.1	58.7	53.3
Slovak Republic	449	9.4	14.9	7.0	65.9	2.8	65.9	0.0	0.5	2.3	61.8	70.0
Slovenia	334	10.5	39.1	7.5	37.6	5.3	37.6	0.0	0.0	5.3	29.4	46.8
South Africa	581	22.8	21.8	21.9	28.1	5.5	28.1	0.1	1.8	3.5	29.5	26.2
Spain	479	10.3	19.8	12.3	55.0	2.5	55.0	0.0	0.6	2.0	55.4	54.5
Sweden	478	9.2	10.1	16.3	62.5	2.0	62.5	0.2	0.2	1.6	58.9	66.0
Switzerland	610	7.6	19.8	10.5	59.5	2.7	59.5	0.2	0.2	2.3	53.8	64.6
Thailand	771	17.3	43.7	10.7	26.8	1.5	26.8	0.0	0.9	0.6	27.1	27.0
United States	900	10.7	30.8	8.6	48.0	1.9	48.0	0.1	0.3	1.5	48.8	47.2
INTERNATIONAL AVG	.	12.1	19.7	10.9	53.2	4.1	53.2	0.1	1.1	2.9	52.7	53.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I15 KEY: A
 Identify the type of scientific statement given in an experimental report. (Environment and other content)
 Difficulty: 594

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	69.2	16.3	5.6	3.2	3.8	1.9	69.2	0.0	1.0	0.9	75.8	62.4
Austria	344	66.0	18.3	3.4	6.2	3.1	3.0	66.0	0.0	0.0	3.0	69.5	64.1
Belgium (Fl)	361	29.2	40.5	5.8	12.1	10.5	1.9	29.2	0.0	0.2	1.7	31.7	26.6
Belgium (Fr)	313	56.0	21.4	5.2	5.3	5.5	6.5	56.0	0.8	0.9	4.8	60.0	53.5
Bulgaria	328	44.8	24.8	7.2	9.0	6.2	7.9	44.8	2.4	3.4	2.2	47.6	43.0
Canada	1053	69.5	19.3	3.8	1.7	4.9	0.7	69.5	0.1	0.0	0.6	69.0	70.7
Colombia	328	27.0	18.9	3.8	13.1	26.6	10.6	27.0	0.3	8.5	1.8	31.1	22.3
Cyprus	392	51.7	26.0	6.9	7.2	5.5	2.8	51.7	0.5	0.2	2.1	58.1	46.0
Czech Republic	430	63.3	19.5	2.4	8.0	4.5	2.3	63.3	0.0	0.7	1.6	62.2	64.4
Denmark	269	39.1	22.2	7.1	14.2	8.3	9.1	39.1	0.4	2.9	5.9	33.1	45.0
England	218	62.0	26.7	4.1	3.9	1.9	1.4	62.0	0.0	0.0	1.4	62.4	61.6
France	364	71.1	17.0	3.2	2.4	4.8	1.5	71.1	0.7	0.0	0.8	69.1	74.4
Germany	369	74.6	12.9	2.9	3.3	1.6	4.6	74.6	0.4	1.1	3.2	81.6	68.5
Greece	497	39.2	39.8	6.0	9.1	3.2	2.7	39.2	0.4	0.2	2.1	40.7	37.9
Hong Kong	411	40.7	34.7	9.1	7.8	7.1	0.7	40.7	0.0	0.5	0.2	39.7	41.5
Hungary	375	78.6	8.0	4.4	4.3	2.0	2.6	78.6	0.0	1.2	1.5	78.9	78.2
Iceland	233	45.0	12.1	7.7	21.1	13.2	1.0	45.0	0.0	0.8	0.2	52.9	36.7
Iran, Islamic Rep.	463	18.3	30.8	6.0	35.0	7.4	2.4	18.3	0.0	0.4	2.0	19.1	17.8
Ireland	378	45.2	37.2	5.0	8.1	3.6	0.9	45.2	0.0	0.5	0.5	47.5	43.0
Israel	185	31.2	45.1	4.3	9.0	2.3	8.1	31.2	0.0	3.2	4.9	32.4	30.1
Japan	659	41.9	48.2	3.2	3.2	3.2	0.4	41.9	0.0	0.0	0.4	43.1	40.8
Korea	364	56.1	38.1	1.1	2.1	2.6	0.0	56.1	0.0	0.0	0.0	51.7	59.3
Kuwait	210	29.9	45.1	5.3	4.9	6.3	8.6	29.9	0.0	6.9	1.7	43.3	17.6
Latvia (LSS)	287	49.8	30.8	4.3	8.8	2.4	3.9	49.8	0.0	2.1	1.9	51.0	48.7
Lithuania	306	39.9	31.2	10.3	4.9	5.5	8.2	39.9	0.0	3.2	5.0	44.9	33.9
Netherlands	239	57.6	33.2	1.2	5.8	1.0	1.2	57.6	0.0	1.2	0.0	59.4	56.2
New Zealand	468	52.9	27.7	5.0	6.8	5.4	2.1	52.9	0.0	0.8	1.3	53.2	52.7
Norway	405	36.6	34.7	6.9	7.5	10.5	3.8	36.6	0.0	0.6	3.2	30.4	42.5
Philippines	752	56.9	15.0	8.1	9.8	9.7	0.4	56.9	0.0	0.0	0.4	61.8	51.6
Portugal	425	45.4	34.0	2.5	4.1	10.9	3.0	45.4	0.0	0.4	2.6	51.6	39.5
Romania	469	32.3	37.6	7.0	5.7	7.4	10.0	32.3	3.2	2.1	4.7	31.6	33.1
Russian Federation	507	50.0	30.4	3.8	7.2	2.8	5.8	50.0	0.0	0.0	5.8	54.0	45.5
Scotland	345	44.4	35.7	4.1	8.2	6.1	1.4	44.4	0.0	0.3	1.2	46.8	42.3
Singapore	597	74.5	16.1	2.4	4.7	2.0	0.3	74.5	0.0	0.2	0.1	75.2	73.9
Slovak Republic	449	57.8	31.0	2.6	3.9	2.1	2.6	57.8	0.2	0.5	1.9	61.9	53.6
Slovenia	334	69.1	16.0	2.5	5.2	4.8	2.4	69.1	0.0	0.0	2.4	70.0	68.8
South Africa	581	25.9	19.5	20.0	14.6	14.3	5.8	25.9	0.4	2.0	3.4	20.9	30.4
Spain	479	39.8	33.3	3.2	9.0	10.2	4.5	39.8	0.0	0.6	3.9	38.6	41.1
Sweden	478	26.5	52.7	3.9	7.5	6.6	2.8	26.5	0.2	0.2	2.4	27.3	26.0
Switzerland	610	68.1	15.0	4.2	5.4	4.0	3.3	68.1	0.0	0.2	3.1	71.6	64.9
Thailand	771	65.5	21.2	3.8	5.2	3.0	1.3	65.5	0.0	0.9	0.4	67.8	61.2
United States	900	62.1	16.1	6.3	5.9	8.4	1.2	62.1	0.0	0.3	0.9	68.8	55.4
INTERNATIONAL AVG	.	50.1	27.5	5.1	7.7	6.1	3.5	50.1	0.2	1.1	2.1	52.1	48.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I16 KEY: A
 Identify material with greatest heat conductivity. (Physics)
 Difficulty: 341

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	86.3	2.5	7.3	2.8	1.1	86.3	0.0	1.0	0.1	87.6	85.0
Austria	344	88.5	2.5	5.5	2.2	1.3	88.5	0.0	0.0	1.3	86.5	91.9
Belgium (Fl)	361	88.5	2.5	7.0	1.2	0.9	88.5	0.0	0.2	0.7	87.1	90.0
Belgium (Fr)	313	81.0	4.7	7.3	4.4	2.7	81.0	0.2	1.1	1.3	77.8	84.8
Bulgaria	328	83.7	2.0	5.2	2.6	6.5	83.7	0.7	3.4	2.4	84.7	82.5
Canada	1053	90.1	2.4	5.0	2.4	0.1	90.1	0.0	0.0	0.1	92.1	88.9
Colombia	328	75.7	2.2	6.9	3.6	11.5	75.7	0.3	9.2	2.0	77.8	73.0
Cyprus	392	77.3	4.8	13.9	3.2	0.8	77.3	0.0	0.2	0.6	78.6	75.9
Czech Republic	430	86.2	1.5	9.5	1.8	1.0	86.2	0.0	0.7	0.4	89.1	83.2
Denmark	269	74.5	3.9	9.7	8.2	3.7	74.5	0.3	2.9	0.5	76.9	72.8
England	218	90.6	1.2	7.9	0.4	0.0	90.6	0.0	0.0	0.0	87.4	93.4
France	364	81.0	3.5	9.1	5.8	0.5	81.0	0.3	0.0	0.2	82.2	80.8
Germany	369	89.3	2.3	5.1	1.5	1.8	89.3	0.0	1.1	0.7	95.2	84.2
Greece	497	82.8	4.2	10.7	1.6	0.7	82.8	0.2	0.2	0.3	81.1	84.2
Hong Kong	411	94.5	1.5	1.5	1.1	1.4	94.5	0.0	0.5	0.9	96.7	92.7
Hungary	375	89.3	1.3	4.3	2.1	2.9	89.3	0.0	1.2	1.8	87.0	92.0
Iceland	233	89.2	1.4	6.8	1.4	1.2	89.2	0.0	0.8	0.4	90.6	87.8
Iran, Islamic Rep.	463	72.8	3.7	10.0	10.8	2.6	72.8	0.0	0.4	2.2	76.4	69.9
Ireland	378	86.9	1.3	9.9	1.2	0.7	86.9	0.0	0.5	0.2	86.9	86.8
Israel	185	78.4	4.8	9.3	4.3	3.2	78.4	0.0	3.2	0.0	71.0	87.5
Japan	659	96.0	0.9	2.9	0.3	0.0	96.0	0.0	0.0	0.0	97.5	94.6
Korea	364	91.5	1.1	5.6	1.8	0.0	91.5	0.0	0.0	0.0	92.7	90.7
Kuwait	210	56.3	8.9	16.8	10.4	7.5	56.3	0.0	6.9	0.6	58.5	54.4
Latvia (LSS)	287	91.8	0.4	3.8	1.4	2.6	91.8	0.0	2.1	0.5	92.3	91.3
Lithuania	306	83.4	1.2	8.8	1.5	5.0	83.4	0.3	3.2	1.5	80.8	86.7
Netherlands	239	87.8	2.6	4.5	3.8	1.2	87.8	0.0	1.2	0.0	91.7	84.5
New Zealand	468	86.8	1.8	7.2	3.3	1.0	86.8	0.0	0.8	0.2	88.7	85.0
Norway	405	88.5	3.5	4.4	2.7	1.0	88.5	0.0	0.6	0.4	89.3	87.7
Philippines	751	63.2	5.2	13.2	18.1	0.3	63.2	0.1	0.0	0.1	67.4	58.9
Portugal	425	79.6	3.2	12.3	2.9	1.9	79.6	0.0	0.7	1.2	75.4	83.5
Romania	469	76.1	3.9	9.6	4.5	5.9	76.1	1.4	2.6	1.9	73.5	78.8
Russian Federation	507	89.3	0.5	4.8	1.2	4.2	89.3	0.0	0.0	4.2	90.6	87.9
Scotland	345	89.7	2.0	5.6	2.2	0.5	89.7	0.0	0.3	0.3	93.5	86.3
Singapore	597	97.6	0.4	0.5	1.2	0.2	97.6	0.0	0.2	0.0	97.6	97.6
Slovak Republic	449	83.5	0.6	12.0	1.8	2.1	83.5	0.0	0.5	1.6	83.0	83.9
Slovenia	334	75.9	3.6	17.1	2.7	0.8	75.9	0.0	0.0	0.8	71.3	80.6
South Africa	581	42.3	8.6	31.4	13.4	4.4	42.3	0.2	2.5	1.7	43.0	41.1
Spain	479	85.8	3.6	6.0	2.1	2.4	85.8	0.0	1.2	1.2	83.8	88.0
Sweden	478	86.7	2.6	4.9	4.1	1.6	86.7	0.2	0.6	0.8	88.9	84.7
Switzerland	610	83.5	3.5	8.7	3.2	1.1	83.5	0.0	0.3	0.9	81.5	85.3
Thailand	771	86.2	2.3	5.8	4.5	1.2	86.2	0.0	0.9	0.2	88.7	82.1
United States	900	88.8	2.6	4.8	2.5	1.3	88.8	0.0	0.3	1.0	92.7	84.8
INTERNATIONAL AVG	.	83.3	2.8	8.2	3.6	2.2	83.3	0.1	1.2	0.8	83.7	83.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I17 KEY: B
 Know energy source for Earth's water cycle. (Earth Science)
 Difficulty: 644

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	28.5	44.3	15.6	9.5	2.0	44.3	0.0	1.0	1.0	42.2	46.4
Austria	344	22.8	56.2	8.8	10.0	2.1	56.2	0.0	0.0	2.1	56.8	56.7
Belgium (Fl)	361	37.3	48.4	7.9	4.7	1.7	48.4	0.0	0.2	1.5	42.0	55.1
Belgium (Fr)	313	32.9	40.5	8.2	10.4	8.0	40.5	0.0	1.1	6.9	35.2	45.4
Bulgaria	328	27.4	39.5	10.4	13.7	9.0	39.5	0.6	3.7	4.7	40.1	39.4
Canada	1053	20.5	54.5	15.2	8.7	1.2	54.5	0.0	0.0	1.2	56.4	53.1
Colombia	328	28.0	37.6	12.3	10.2	11.9	37.6	0.5	9.6	1.7	29.6	46.2
Cyprus	392	22.8	51.8	15.3	8.7	1.4	51.8	0.0	0.2	1.1	53.4	50.7
Czech Republic	430	23.3	57.5	5.4	11.9	1.9	57.5	0.1	0.7	1.1	53.9	61.2
Denmark	269	29.4	29.0	10.1	23.4	8.0	29.0	1.4	2.9	3.8	29.3	29.1
England	218	24.3	52.8	12.6	9.4	0.9	52.8	0.0	0.0	0.9	51.1	54.3
France	364	34.1	37.7	7.8	15.8	4.6	37.7	0.6	0.0	4.1	40.7	35.0
Germany	369	31.3	41.7	8.8	13.8	4.4	41.7	1.2	1.3	1.9	43.5	39.7
Greece	497	36.3	48.2	9.2	4.5	1.8	48.2	0.0	0.2	1.6	45.6	50.3
Hong Kong	411	27.3	46.8	10.3	13.9	1.8	46.8	0.0	0.7	1.1	41.4	51.2
Hungary	375	25.7	20.8	11.8	37.4	4.3	20.8	0.0	1.2	3.2	17.7	24.4
Iceland	233	22.1	26.9	12.0	37.0	2.0	26.9	0.2	1.2	0.6	25.7	28.1
Iran, Islamic Rep.	463	53.4	35.0	4.3	6.6	0.7	35.0	0.2	0.4	0.0	31.4	37.7
Ireland	378	33.0	42.9	11.4	11.7	1.0	42.9	0.0	0.5	0.5	39.3	46.3
Israel	185	26.2	51.3	8.1	7.6	6.9	51.3	0.0	3.2	3.7	46.9	56.4
Japan	659	19.0	54.3	14.1	12.1	0.6	54.3	0.0	0.0	0.6	49.2	58.9
Korea	364	24.0	34.9	20.2	20.6	0.3	34.9	0.0	0.0	0.3	37.7	33.0
Kuwait	210	25.2	35.6	9.0	21.3	8.8	35.6	0.3	7.5	1.0	43.6	28.3
Latvia (LSS)	286	47.1	16.4	23.2	9.7	3.7	16.4	0.0	2.1	1.6	16.6	16.1
Lithuania	306	38.3	25.9	10.0	11.6	14.2	25.9	1.1	3.6	9.5	24.8	27.2
Netherlands	239	33.8	34.6	14.1	15.2	2.4	34.6	0.0	1.2	1.1	28.5	40.7
New Zealand	468	24.9	38.7	17.4	17.5	1.6	38.7	0.2	0.8	0.7	40.4	37.1
Norway	405	30.8	38.3	12.8	16.2	1.9	38.3	0.0	0.6	1.3	34.8	41.7
Philippines	752	19.0	41.0	21.0	18.9	0.1	41.0	0.0	0.0	0.1	41.6	40.5
Portugal	425	29.7	31.9	17.2	17.5	3.6	31.9	0.0	0.9	2.7	31.4	32.5
Romania	468	46.0	25.9	6.9	10.8	10.5	25.9	3.5	3.2	3.8	25.4	26.3
Russian Federation	506	31.3	46.8	6.6	8.8	6.6	46.8	0.6	0.0	6.0	42.1	52.0
Scotland	345	29.8	41.3	17.6	9.8	1.5	41.3	0.0	0.3	1.2	40.2	42.4
Singapore	597	12.3	67.8	13.6	5.9	0.4	67.8	0.0	0.2	0.2	63.7	71.5
Slovak Republic	449	21.3	53.0	3.5	18.8	3.4	53.0	0.2	0.9	2.2	50.7	55.3
Slovenia	334	29.3	35.9	17.4	13.7	3.6	35.9	0.0	0.0	3.6	34.4	37.9
South Africa	581	31.1	28.0	18.2	18.2	4.5	28.0	0.2	3.0	1.2	26.9	28.6
Spain	479	31.3	39.5	16.2	10.1	2.9	39.5	0.0	1.2	1.6	37.9	41.2
Sweden	478	24.7	38.5	7.6	27.1	2.2	38.5	0.0	0.6	1.6	35.7	41.2
Switzerland	610	21.4	44.8	14.6	16.9	2.3	44.8	0.3	0.3	1.7	41.8	47.5
Thailand	771	22.9	35.9	5.7	34.1	1.4	35.9	0.0	0.9	0.5	35.8	34.5
United States	900	25.8	43.8	16.7	11.9	1.8	43.8	0.0	0.3	1.4	44.8	42.9
INTERNATIONAL AVG	.	28.7	40.9	12.1	14.7	3.7	40.9	0.3	1.3	2.1	39.3	42.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I18
 Write conclusion from summary of experimental observations. (Environment and other content)
 Difficulty: 678

COUNTRY	N	10	19	70	71	79	90	99	V1	NOT	1.GIRL	2.BOY	
										REACH			ED	% Right	% Right
Australia	894	34.1	17.7	4.7	1.0	24.9	3.7	13.8	51.9	1.0	12.8	57.8	45.7
Austria	344	24.1	3.3	37.2	11.6	14.6	2.3	6.7	27.5	0.0	6.7	29.4	24.9
Belgium (Fl)	361	44.5	4.6	25.8	4.0	9.4	1.9	9.9	49.0	0.2	9.6	49.4	48.7
Belgium (Fr)	313	0.0	25.8	0.0	0.0	37.1	0.0	37.2	25.8	1.1	36.1	25.8	25.2
Bulgaria	328	36.9	2.4	19.3	6.4	1.8	14.6	18.6	39.3	4.4	14.1	44.4	35.1
Canada	1053	43.5	3.4	16.0	6.8	16.3	3.7	10.2	46.9	0.0	10.2	53.9	41.1
Colombia	328	13.7	1.8	23.1	11.3	26.4	0.4	23.3	15.5	10.6	12.7	16.8	13.8
Cyprus	391	17.7	17.4	26.4	4.6	6.0	2.5	25.5	35.1	0.6	24.9	40.7	30.0
Czech Republic	430	31.6	13.6	26.1	4.1	10.9	5.3	8.4	45.2	0.7	7.7	49.9	40.6
Denmark	269	14.9	3.9	34.8	17.5	5.6	0.5	22.9	18.8	3.2	19.6	19.4	17.9
England	218	51.7	3.9	14.4	9.5	11.0	0.4	9.1	55.6	0.0	9.1	62.3	49.8
France	364	37.7	15.4	15.0	2.2	8.0	13.9	7.9	53.1	0.3	7.7	55.7	50.4
Germany	366	31.1	3.2	24.4	5.4	13.0	4.8	18.1	34.3	1.5	16.6	39.8	29.5
Greece	497	19.5	11.0	34.6	8.2	9.4	1.8	15.5	30.4	0.5	14.9	38.3	24.1
Hong Kong	410	36.9	11.3	29.3	5.7	6.9	0.5	9.5	48.2	0.7	8.8	47.2	49.0
Hungary	375	11.8	18.3	21.7	2.0	31.3	1.0	13.9	30.1	1.2	12.8	28.8	31.5
Iceland	233	0.0	23.1	43.5	18.9	4.9	0.8	8.8	23.1	1.2	7.7	21.5	24.8
Iran, Islamic Rep.	463	21.6	9.3	25.2	7.9	15.6	0.3	20.0	31.0	0.4	19.6	34.4	28.4
Ireland	378	39.8	0.8	21.3	6.4	16.6	4.8	10.5	40.6	0.5	10.0	41.6	39.5
Israel	185	50.1	9.7	4.2	1.3	11.3	0.0	23.4	59.8	4.6	18.9	60.1	59.8
Japan	659	26.7	40.7	2.0	0.9	20.5	0.5	8.9	67.3	0.0	8.9	67.1	67.6
Korea	364	46.3	12.6	10.7	0.5	25.1	0.0	4.9	58.9	0.0	4.9	51.5	64.1
Kuwait	210	18.5	9.4	12.6	5.2	11.1	3.0	40.2	27.8	8.2	32.1	35.8	20.5
Latvia (LSS)	287	28.4	6.9	16.9	9.4	13.2	8.6	16.6	35.3	2.7	13.9	34.4	36.1
Lithuania	306	3.6	19.6	43.4	9.8	4.0	0.9	18.6	23.3	6.7	11.8	23.2	23.3
Netherlands	239	5.7	46.0	17.6	8.9	16.9	1.4	3.6	51.7	1.2	2.4	58.5	45.5
New Zealand	468	47.0	7.1	15.2	7.0	11.0	0.5	12.0	54.2	0.8	11.3	57.1	51.6
Norway	405	31.1	0.3	29.3	22.7	4.0	5.1	7.5	31.3	0.6	6.9	28.5	34.1
Philippines	752	9.6	20.1	11.4	2.4	23.0	6.0	27.5	29.7	0.0	27.5	33.5	25.4
Portugal	425	20.6	8.9	19.5	6.6	26.2	2.0	16.2	29.6	0.9	15.3	33.9	25.4
Romania	469	15.2	1.2	25.1	17.9	8.8	1.9	30.0	16.3	4.4	25.6	17.5	15.1
Russian Federation	507	21.2	10.5	25.7	3.7	14.5	9.7	14.7	31.7	0.0	14.7	33.2	30.1
Scotland	345	40.1	5.8	16.6	5.8	12.6	3.2	15.9	45.8	0.3	15.6	46.9	44.9
Singapore	597	8.5	56.8	7.3	2.2	17.1	0.9	7.1	65.4	0.2	6.9	68.7	62.4
Slovak Republic	449	25.8	3.9	40.4	5.8	9.1	1.3	13.6	29.8	0.9	12.7	28.9	30.7
Slovenia	334	29.2	7.9	16.5	3.1	15.8	6.0	21.6	37.0	0.0	21.6	37.6	36.8
South Africa	583	4.2	3.3	24.2	20.8	9.1	1.4	37.0	7.5	3.1	33.9	8.4	5.7
Spain	479	36.0	3.4	21.6	4.7	14.0	0.3	20.0	39.4	1.5	18.5	39.7	39.1
Sweden	478	19.6	1.9	28.4	6.4	31.3	5.7	6.7	21.5	0.7	5.9	27.5	16.4
Switzerland	610	27.9	4.1	28.5	4.8	19.3	2.5	12.9	32.0	0.3	12.6	32.3	31.8
Thailand	771	49.4	3.5	24.3	6.3	9.4	0.1	7.1	52.8	1.0	6.0	54.2	50.3
United States	900	51.1	3.0	12.9	5.3	17.9	2.6	7.2	54.1	0.3	6.9	62.3	45.9
INTERNATIONAL AVG	.	26.8	11.3	21.4	7.0	14.6	3.0	15.8	38.2	1.6	14.2	40.4	36.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: I19 KEY: A
 Identify statement of oxygen production consistent with data. (Life Science)
 Difficulty: 582

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	59.0	16.6	11.7	8.6	4.0	59.0	0.0	1.2	2.8	61.0	57.0
Austria	344	58.6	19.7	7.1	11.0	3.7	58.6	0.0	0.3	3.4	57.3	60.9
Belgium (Fl)	361	61.3	14.4	15.0	7.3	1.9	61.3	0.0	0.2	1.7	56.9	66.0
Belgium (Fr)	313	56.9	13.8	14.0	9.9	5.4	56.9	0.0	1.7	3.7	56.0	58.7
Bulgaria	328	50.4	13.3	17.1	7.3	11.8	50.4	2.1	5.0	4.7	46.6	54.9
Canada	1053	55.7	16.7	14.8	12.3	0.6	55.7	0.0	0.0	0.6	56.6	55.0
Colombia	328	24.8	26.6	14.0	18.2	16.3	24.8	0.6	11.8	4.0	24.9	24.1
Cyprus	392	44.2	22.8	19.3	11.6	2.1	44.2	0.2	1.5	0.5	46.5	41.6
Czech Republic	430	62.8	16.4	4.7	12.9	3.1	62.8	0.3	1.2	1.7	62.2	63.4
Denmark	269	45.6	19.9	13.8	10.6	10.1	45.6	0.0	5.6	4.5	41.9	49.9
England	218	64.9	10.8	11.8	11.4	1.2	64.9	0.0	0.4	0.8	64.3	65.4
France	364	61.9	8.6	13.9	11.2	4.4	61.9	0.0	0.3	4.1	62.6	62.6
Germany	369	52.7	22.9	7.8	9.1	7.6	52.7	0.3	2.5	4.7	58.6	46.2
Greece	497	56.1	15.2	13.1	11.2	4.4	56.1	0.0	0.9	3.5	56.7	55.6
Hong Kong	411	48.9	19.6	16.9	13.7	0.9	48.9	0.0	0.9	0.0	49.0	48.9
Hungary	375	61.6	10.4	7.1	17.5	3.3	61.6	0.0	1.5	1.8	61.3	62.0
Iceland	233	42.6	23.4	17.3	11.6	5.1	42.6	0.6	1.2	3.3	45.4	39.7
Iran, Islamic Rep.	463	29.3	19.3	25.9	22.6	2.8	29.3	0.1	1.2	1.6	28.4	30.1
Ireland	378	54.6	21.1	10.5	11.6	2.2	54.6	0.0	1.0	1.2	55.3	53.9
Israel	185	46.2	15.0	24.4	3.7	10.7	46.2	0.0	6.3	4.4	43.9	50.0
Japan	659	76.8	10.6	9.2	3.3	0.1	76.8	0.0	0.0	0.1	75.4	78.0
Korea	364	79.6	12.4	5.3	2.7	0.0	79.6	0.0	0.0	0.0	78.7	80.3
Kuwait	210	17.3	29.2	24.7	12.3	16.6	17.3	0.0	11.7	4.9	23.2	11.9
Latvia (LSS)	287	51.2	16.5	12.9	11.0	8.4	51.2	0.0	5.3	3.1	53.8	48.6
Lithuania	306	44.2	13.0	9.3	14.3	19.1	44.2	1.1	9.5	8.5	48.6	39.0
Netherlands	239	56.0	17.2	14.5	10.6	1.7	56.0	0.0	1.2	0.5	53.3	58.2
New Zealand	468	57.3	17.5	11.3	10.9	3.0	57.3	0.0	1.0	2.0	55.9	58.5
Norway	405	56.5	13.9	15.6	8.8	5.2	56.5	0.0	0.8	4.4	54.3	58.6
Philippines	752	28.5	41.8	17.7	6.9	5.2	28.5	0.5	3.7	0.9	29.3	27.7
Portugal	425	59.2	16.6	8.2	12.4	3.5	59.2	0.0	2.0	1.5	64.2	54.4
Romania	468	46.6	15.2	12.4	10.2	15.6	46.6	0.9	8.3	6.3	50.8	42.2
Russian Federation	.	.	.	.	.	.	.	.	.	.	.	.
Scotland	345	55.9	16.4	13.5	12.4	1.8	55.9	0.0	1.0	0.8	55.5	56.2
Singapore	597	67.5	10.6	9.7	11.5	0.7	67.5	0.0	0.2	0.5	70.2	65.0
Slovak Republic	449	49.7	16.7	12.9	14.6	6.1	49.7	0.0	1.6	4.6	47.0	52.6
Slovenia	334	60.4	16.5	8.9	11.3	2.9	60.4	0.0	0.8	2.0	57.4	64.3
South Africa	581	19.8	39.3	18.3	14.7	8.0	19.8	0.1	4.4	3.5	18.2	20.8
Spain	479	52.6	18.0	13.5	11.2	4.7	52.6	0.0	1.9	2.8	52.2	53.1
Sweden	478	62.3	11.4	13.0	9.7	3.5	62.3	0.0	1.2	2.3	65.0	59.7
Switzerland	610	50.0	20.0	11.0	15.4	3.6	50.0	0.8	0.3	2.6	50.2	49.8
Thailand	771	64.4	7.8	18.1	6.7	3.0	64.4	0.0	1.4	1.6	66.8	59.9
United States	900	58.7	19.0	13.1	7.3	1.9	58.7	0.2	0.4	1.3	61.6	55.8
INTERNATIONAL AVG	.	52.5	17.7	13.5	11.0	5.3	52.5	0.2	2.5	2.6	52.9	52.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J01 KEY: C
 Know changes in Earth's surface over billions of years. (Earth Science)
 Difficulty: 650

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	10.6	19.5	40.6	28.6	0.7	40.6	0.0	0.0	0.7	40.5	40.7
Austria	343	13.5	19.1	43.5	17.4	6.4	43.5	0.0	0.9	5.5	44.5	42.2
Belgium (Fl)	358	7.1	17.7	55.8	18.4	1.0	55.8	0.0	0.0	1.0	57.5	54.0
Belgium (Fr)	308	5.5	18.7	45.0	24.7	6.1	45.0	0.0	0.0	6.1	45.7	44.3
Bulgaria	161	5.4	8.6	28.5	52.1	5.4	28.5	1.2	0.0	4.2	34.6	21.3
Canada	1049	8.1	17.2	46.4	27.8	0.4	46.4	0.0	0.0	0.4	49.3	42.8
Colombia	328	6.9	15.2	16.3	57.8	3.8	16.3	0.3	0.5	3.0	20.0	12.5
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	417	5.3	6.7	48.0	39.1	0.8	48.0	0.0	0.2	0.6	43.7	52.1
Denmark	281	9.0	14.3	35.4	32.3	9.1	35.4	0.3	0.0	8.7	32.5	38.8
England	216	6.6	17.3	38.1	37.1	1.0	38.1	0.0	0.0	1.0	42.4	34.4
France	381	6.4	12.3	59.1	18.3	3.9	59.1	0.0	0.0	3.9	59.7	58.7
Germany	346	15.6	18.9	35.9	23.3	6.3	35.9	0.3	0.0	6.0	33.6	37.6
Greece	494	10.6	18.9	26.9	39.9	3.7	26.9	0.0	0.0	3.7	24.7	29.1
Hong Kong	413	17.5	12.3	43.7	25.2	1.3	43.7	0.0	0.2	1.1	45.0	42.5
Hungary	374	26.9	16.5	22.7	31.9	2.0	22.7	0.0	0.0	2.0	24.5	21.0
Iceland	226	7.5	13.0	34.6	43.6	1.4	34.6	0.0	0.0	1.4	39.1	29.9
Iran, Islamic Rep.	473	30.5	15.2	15.5	35.9	3.0	15.5	0.2	0.3	2.5	12.7	18.0
Ireland	388	5.9	20.8	42.8	29.2	1.4	42.8	0.0	0.0	1.4	41.2	44.4
Israel	186	11.2	16.1	43.7	24.2	4.8	43.7	0.0	0.7	4.0	43.3	46.2
Japan	639	32.1	14.5	45.6	7.8	0.1	45.6	0.0	0.0	0.1	44.6	46.5
Korea	373	10.8	10.6	75.5	3.1	0.0	75.5	0.0	0.0	0.0	74.3	76.4
Kuwait	211	13.7	18.0	15.3	48.2	4.9	15.3	0.0	1.0	3.8	14.6	16.0
Latvia (LSS)	296	10.7	20.8	26.5	36.4	5.6	26.5	0.0	0.0	5.6	27.0	25.8
Lithuania	312	10.3	14.9	34.7	33.1	7.0	34.7	0.8	0.0	6.2	36.9	32.1
Netherlands	230	7.4	14.0	47.7	30.4	0.5	47.7	0.0	0.0	0.5	53.5	42.5
New Zealand	461	14.2	15.0	41.2	28.4	1.2	41.2	0.2	0.0	1.0	38.3	44.1
Norway	411	6.5	12.5	54.7	24.0	2.2	54.7	0.0	0.0	2.2	53.9	55.7
Philippines	743	17.6	16.4	23.1	42.7	0.1	23.1	0.0	0.0	0.1	22.2	24.3
Portugal	419	6.0	25.5	39.4	28.3	0.8	39.4	0.0	0.0	0.8	38.6	40.1
Romania	466	9.3	15.4	39.8	26.9	8.6	39.8	3.0	0.0	5.7	41.0	38.7
Russian Federation	518	3.1	9.8	55.1	27.4	4.5	55.1	0.5	0.0	4.0	59.9	50.3
Scotland	352	10.2	17.9	37.5	32.2	2.2	37.5	0.3	0.0	1.9	34.0	40.9
Singapore	582	13.0	22.6	42.3	20.8	1.3	42.3	0.0	0.0	1.3	44.1	41.0
Slovak Republic	436	3.6	13.1	70.3	10.5	2.4	70.3	0.0	0.0	2.4	74.9	65.6
Slovenia	344	10.2	7.8	41.7	37.6	2.6	41.7	0.5	0.0	2.1	45.3	38.0
South Africa	582	14.9	21.7	19.4	40.3	3.7	19.4	0.3	1.2	2.2	14.9	24.4
Spain	494	8.1	16.1	49.1	25.9	0.7	49.1	0.0	0.0	0.7	50.8	47.2
Sweden	527	12.1	12.4	40.9	33.6	1.0	40.9	0.2	0.2	0.6	40.3	41.2
Switzerland	609	16.5	16.1	31.9	31.4	4.1	31.9	0.3	0.0	3.8	32.0	31.8
Thailand	766	17.4	22.3	34.8	24.2	1.3	34.8	0.0	0.6	0.7	38.0	30.7
United States	899	11.7	20.4	50.4	16.3	1.1	50.4	0.0	0.1	1.1	51.8	49.0
INTERNATIONAL AVG	.	11.5	16.0	40.0	29.7	2.9	40.0	0.2	0.1	2.5	40.6	39.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J02 KEY: A
 Choose species on Earth for shortest time. (Life Science)
 Difficulty: 505

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	84.2	8.2	2.8	4.3	0.5	84.2	0.0	0.0	0.5	86.0	82.3
Austria	343	80.1	11.3	3.6	3.3	1.8	80.1	0.0	0.9	0.9	75.8	83.1
Belgium (Fl)	358	73.6	7.6	9.0	9.0	0.9	73.6	0.0	0.0	0.9	80.7	65.3
Belgium (Fr)	308	72.6	9.6	5.5	11.9	0.3	72.6	0.3	0.0	0.0	66.9	78.1
Bulgaria	161	70.0	17.3	6.6	5.0	1.2	70.0	0.0	0.7	0.5	72.5	66.9
Canada	1049	74.7	8.1	5.9	10.8	0.6	74.7	0.1	0.0	0.5	74.6	74.4
Colombia	328	37.4	22.6	10.4	27.2	2.4	37.4	0.0	0.5	1.9	32.4	43.0
Cyprus	365	28.5	53.0	6.9	9.0	2.6	28.5	1.6	0.0	1.0	27.6	29.4
Czech Republic	417	77.8	8.5	6.2	7.0	0.5	77.8	0.1	0.2	0.1	76.0	79.5
Denmark	281	86.6	6.3	2.7	3.1	1.4	86.6	0.0	0.0	1.4	82.8	90.4
England	216	81.9	5.1	5.6	7.4	0.0	81.9	0.0	0.0	0.0	80.1	83.4
France	381	83.1	8.3	3.3	3.6	1.7	83.1	1.1	0.0	0.6	81.2	84.9
Germany	346	74.3	16.1	2.7	5.8	1.1	74.3	0.0	0.0	1.1	75.2	73.7
Greece	494	33.8	44.9	10.4	9.7	1.1	33.8	0.2	0.0	1.0	28.8	38.7
Hong Kong	413	55.9	16.6	6.3	20.8	0.5	55.9	0.0	0.2	0.2	47.0	63.7
Hungary	374	61.4	20.5	6.8	11.2	0.2	61.4	0.0	0.0	0.2	61.1	61.7
Iceland	226	80.6	6.5	3.2	9.4	0.2	80.6	0.0	0.0	0.2	79.5	81.7
Iran, Islamic Rep.	473	31.8	45.5	12.4	8.4	1.9	31.8	0.0	0.3	1.6	25.8	37.3
Ireland	388	76.6	6.4	4.7	11.2	1.1	76.6	0.2	0.0	0.9	71.0	82.4
Israel	186	71.1	12.8	6.0	5.5	4.5	71.1	0.0	0.7	3.8	74.0	69.1
Japan	639	73.8	13.7	7.1	5.4	0.0	73.8	0.0	0.0	0.0	67.6	79.6
Korea	373	57.6	14.5	4.0	23.9	0.0	57.6	0.0	0.0	0.0	54.3	60.1
Kuwait	211	59.8	27.2	5.8	4.3	3.0	59.8	0.0	1.0	1.9	60.6	59.1
Latvia (LSS)	296	30.3	50.6	9.2	8.4	1.6	30.3	0.0	0.0	1.6	28.6	32.5
Lithuania	312	79.7	8.8	4.1	6.5	0.8	79.7	0.0	0.0	0.8	83.7	75.0
Netherlands	230	66.7	12.2	5.4	14.9	0.8	66.7	0.0	0.0	0.8	66.5	66.4
New Zealand	461	85.8	4.6	1.8	7.3	0.6	85.8	0.0	0.0	0.6	81.7	89.7
Norway	411	78.8	8.0	4.1	7.1	1.9	78.8	0.0	0.0	1.9	77.2	80.7
Philippines	.	.	.	.	.	.	.	.	.	.	.	.
Portugal	419	74.3	11.7	3.0	10.8	0.2	74.3	0.0	0.0	0.2	67.9	80.7
Romania	467	62.6	17.2	6.1	11.1	3.0	62.6	1.3	0.4	1.3	59.5	65.3
Russian Federation	518	78.5	6.0	5.8	8.7	1.0	78.5	0.0	0.4	0.6	79.8	77.2
Scotland	352	77.4	7.7	3.9	10.2	0.9	77.4	0.4	0.0	0.5	76.8	77.9
Singapore	582	52.6	31.7	7.0	8.3	0.4	52.6	0.0	0.0	0.4	47.7	56.6
Slovak Republic	436	27.0	68.3	2.9	1.4	0.5	27.0	0.2	0.0	0.3	23.7	30.4
Slovenia	344	52.8	38.9	4.0	3.0	1.2	52.8	0.0	0.0	1.2	49.2	56.5
South Africa	582	29.9	36.4	13.9	17.3	2.5	29.9	0.2	1.2	1.1	25.9	34.5
Spain	494	53.5	9.6	9.5	26.7	0.8	53.5	0.0	0.0	0.8	48.3	59.6
Sweden	527	89.4	6.2	1.0	3.2	0.3	89.4	0.0	0.2	0.1	86.4	92.2
Switzerland	609	72.2	20.4	2.9	3.0	1.5	72.2	1.2	0.0	0.2	75.8	68.8
Thailand	766	81.2	9.1	3.8	4.6	1.2	81.2	0.3	0.6	0.3	81.7	81.4
United States	899	82.4	7.3	2.7	6.3	1.3	82.4	0.0	0.2	1.2	78.6	86.1
INTERNATIONAL AVG	.	65.9	18.2	5.6	9.2	1.2	65.9	0.2	0.2	0.8	63.9	67.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J03
 Know relationship between molecules, atoms and cells. (Chemistry)
 Difficulty: 726

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right	% Right
												ED	OMIT		
Australia	898	26.9	13.8	13.4	12.0	13.8	13.0	1.2	0.8	5.1	26.9	0.0	5.1	20.4	33.5
Austria	343	27.7	7.1	26.4	6.7	18.0	7.9	1.1	0.0	5.1	27.7	0.9	4.3	19.2	36.5
Belgium (Fl)	358	19.4	16.4	19.4	5.9	23.5	9.7	3.6	0.0	2.1	19.4	0.0	2.1	17.3	21.7
Belgium (Fr)	308	20.5	0.0	0.0	0.0	0.0	0.0	70.3	0.0	9.2	20.5	0.0	9.2	20.6	20.3
Bulgaria	161	67.9	4.9	9.7	1.7	1.5	1.3	5.7	0.8	6.4	67.9	0.7	5.7	68.1	67.8
Canada	1049	23.6	11.3	16.6	9.9	16.3	18.1	2.5	0.1	1.6	23.6	0.0	1.6	21.9	25.3
Colombia	328	21.3	19.6	14.5	4.4	18.6	8.0	6.1	0.2	7.3	21.3	0.5	6.8	24.0	18.4
Cyprus	365	34.5	12.1	22.1	2.9	12.0	7.7	1.9	0.2	6.7	34.5	0.0	6.7	29.6	38.9
Czech Republic	417	43.5	7.1	25.4	3.1	13.9	1.7	1.6	1.0	2.7	43.5	0.2	2.5	43.9	43.0
Denmark	281	28.6	11.0	19.1	12.0	16.4	2.5	2.4	0.0	8.0	28.6	0.0	8.0	27.3	30.2
England	216	33.7	13.1	16.5	10.9	13.8	9.8	1.7	0.0	0.5	33.7	0.0	0.5	31.8	35.3
France	381	24.9	5.0	15.3	8.7	25.4	18.9	1.3	0.0	0.5	24.9	0.0	0.5	24.6	24.1
Germany	340	21.0	8.4	31.2	7.0	15.4	6.4	1.1	0.3	9.2	21.0	0.0	9.2	17.1	24.4
Greece	494	44.3	17.0	20.3	2.0	9.5	3.9	1.0	0.4	1.6	44.3	0.0	1.6	43.5	45.1
Hong Kong	412	32.0	26.8	5.5	7.9	11.6	4.3	7.3	0.0	4.7	32.0	0.2	4.4	29.0	34.6
Hungary	374	41.6	29.1	10.3	2.4	7.5	0.5	3.8	0.2	4.6	41.6	0.0	4.6	43.1	40.1
Iceland	226	12.1	25.4	25.6	12.3	3.7	1.9	11.3	0.8	7.1	12.1	0.0	7.1	13.2	10.9
Iran, Islamic Rep.	473	22.5	3.3	33.1	1.0	14.3	0.5	19.1	0.7	5.5	22.5	0.3	5.2	23.2	22.3
Ireland	388	25.2	16.1	19.1	9.0	13.8	12.3	2.2	0.6	1.7	25.2	0.0	1.7	23.4	27.1
Israel	186	25.8	21.1	17.0	4.9	6.4	9.2	6.9	0.0	8.7	25.8	0.7	8.0	23.4	29.8
Japan	639	46.7	17.5	10.0	11.7	8.1	4.2	0.9	0.0	0.7	46.7	0.0	0.7	46.0	47.4
Korea	373	29.6	16.8	21.2	10.3	6.3	13.8	1.5	0.0	0.6	29.6	0.0	0.6	26.1	32.2
Kuwait	211	20.3	13.1	14.6	3.4	15.2	1.5	19.7	1.4	10.8	20.3	1.0	9.7	25.2	15.5
Latvia (LSS)	300	37.9	6.1	32.5	2.7	7.5	0.4	4.2	0.9	7.8	37.9	0.0	7.8	37.1	39.2
Lithuania	312	39.5	5.7	14.4	1.5	1.1	0.5	22.4	2.7	12.2	39.5	0.0	12.2	40.5	38.3
Netherlands	230	24.0	7.4	20.9	7.3	16.4	18.9	1.0	2.7	1.3	24.0	0.0	1.3	19.2	28.0
New Zealand	461	26.6	9.2	18.9	11.1	9.6	17.3	4.2	0.0	3.2	26.6	0.0	3.2	19.7	33.1
Norway	411	29.4	11.5	20.1	8.1	15.3	4.0	7.7	0.7	3.2	29.4	0.0	3.2	23.2	36.9
Philippines	743	19.5	16.7	25.6	7.0	7.9	3.6	12.0	0.7	7.0	19.5	0.0	7.0	19.5	19.7
Portugal	419	36.7	10.6	17.1	6.0	18.2	7.2	2.6	0.3	1.2	36.7	0.0	1.2	38.4	35.0
Romania	467	30.6	8.0	14.2	7.2	12.9	5.2	5.3	0.5	16.1	30.6	0.4	15.7	33.2	28.3
Russian Federation	518	52.6	4.0	23.3	1.9	2.9	0.7	5.5	2.0	7.2	52.6	0.4	6.8	46.8	58.5
Scotland	352	27.2	18.7	16.9	10.5	12.2	9.6	3.2	0.0	1.8	27.2	0.0	1.8	23.8	30.3
Singapore	582	65.7	7.0	17.0	4.2	3.3	0.9	1.5	0.0	0.4	65.7	0.0	0.4	66.1	65.3
Slovak Republic	436	42.2	10.3	28.8	1.9	8.1	1.5	3.0	0.5	3.7	42.2	0.0	3.7	40.1	44.4
Slovenia	344	28.1	6.6	28.0	10.6	15.4	5.5	3.3	0.6	2.0	28.1	0.0	2.0	27.0	29.2
South Africa	582	7.4	3.9	21.3	6.8	8.1	6.8	29.9	0.1	15.7	7.4	1.5	14.3	5.9	9.4
Spain	494	41.0	12.1	16.2	9.6	12.5	5.5	0.8	0.2	2.1	41.0	0.0	2.1	41.5	40.5
Sweden	527	38.5	11.6	19.1	7.0	12.4	6.5	1.8	0.3	2.7	38.5	0.2	2.5	33.8	43.5
Switzerland	609	19.5	8.5	24.7	9.7	17.9	11.0	3.8	0.6	4.3	19.5	0.0	4.3	14.9	24.0
Thailand	766	31.0	14.2	32.7	2.7	11.9	2.4	2.1	0.3	2.7	31.0	0.6	2.1	33.9	27.3
United States	899	28.8	22.2	15.4	7.6	11.9	8.0	3.7	0.3	2.0	28.8	0.2	1.8	22.4	35.4
INTERNATIONAL AVG	.	31.4	12.1	19.4	6.5	11.7	6.5	7.0	0.5	4.9	31.4	0.2	4.7	29.7	33.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: J04 KEY: C
 Distinguish between a chemical reaction and a physical change. (Chemistry)
 Difficulty: 634

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	13.8	18.1	52.0	14.8	1.3	52.0	0.0	0.2	1.1	52.7	51.3
Austria	343	13.4	14.2	48.5	18.6	5.3	48.5	0.0	0.9	4.5	45.7	50.5
Belgium (Fl)	358	19.4	20.8	35.6	23.4	0.9	35.6	0.0	0.0	0.9	38.5	32.1
Belgium (Fr)	308	16.2	25.4	33.2	22.1	3.0	33.2	0.4	0.0	2.6	34.0	32.5
Bulgaria	161	8.0	7.4	67.4	12.0	5.1	67.4	1.8	0.7	2.7	69.7	64.7
Canada	1049	12.3	19.7	52.7	15.0	0.3	52.7	0.2	0.0	0.2	54.1	50.8
Colombia	328	26.3	23.4	20.6	27.1	2.6	20.6	0.4	0.8	1.4	16.6	25.0
Cyprus	365	19.5	21.0	44.4	14.2	0.9	44.4	0.0	0.0	0.9	39.9	48.4
Czech Republic	417	10.2	7.5	66.9	14.3	1.1	66.9	0.8	0.2	0.0	61.6	71.9
Denmark	281	12.6	37.0	13.6	27.4	9.4	13.6	2.4	0.0	7.0	15.8	11.5
England	216	20.3	15.1	44.4	20.2	0.0	44.4	0.0	0.0	0.0	50.3	39.3
France	381	16.0	7.7	43.7	30.0	2.7	43.7	0.6	0.0	2.1	45.6	40.8
Germany	346	14.0	18.0	37.9	25.1	5.1	37.9	2.6	0.0	2.5	39.5	36.7
Greece	494	17.1	16.1	51.8	14.2	0.7	51.8	0.0	0.0	0.7	50.4	53.1
Hong Kong	413	19.2	23.6	31.7	24.4	1.2	31.7	0.0	0.2	0.9	31.1	32.1
Hungary	374	13.5	3.4	72.9	8.5	1.7	72.9	0.0	0.0	1.7	70.7	75.2
Iceland	226	18.6	6.6	24.7	48.2	1.9	24.7	1.3	0.0	0.6	19.7	30.0
Iran, Islamic Rep.	473	17.3	8.6	64.3	8.8	0.9	64.3	0.0	0.3	0.6	66.5	63.4
Ireland	388	19.2	19.7	42.8	18.0	0.2	42.8	0.0	0.0	0.0	40.9	44.9
Israel	186	11.3	9.7	57.3	18.6	3.1	57.3	0.0	1.2	1.9	56.7	59.0
Japan	639	10.9	12.1	59.7	17.4	0.0	59.7	0.0	0.0	0.0	60.9	58.5
Korea	373	8.1	13.0	69.9	9.0	0.0	69.9	0.0	0.0	0.0	68.7	70.8
Kuwait	211	9.2	14.2	54.7	19.2	2.7	54.7	0.0	1.0	1.7	59.6	49.9
Latvia (LSS)	300	12.1	23.0	47.7	15.6	1.7	47.7	0.0	0.0	1.7	48.9	45.9
Lithuania	312	10.2	16.3	61.2	10.8	1.6	61.2	0.6	0.0	1.0	61.3	61.1
Netherlands	230	13.0	19.8	51.0	15.2	0.9	51.0	0.0	0.0	0.9	45.8	56.1
New Zealand	461	19.7	17.8	40.0	21.6	0.8	40.0	0.2	0.0	0.6	41.2	38.9
Norway	410	26.5	11.5	19.2	39.4	3.4	19.2	0.0	0.0	3.4	17.0	22.0
Philippines	740	17.2	18.6	46.2	18.0	0.0	46.2	0.0	0.0	0.0	44.4	48.6
Portugal	419	20.1	13.8	48.3	16.9	0.9	48.3	0.0	0.0	0.9	43.8	52.9
Romania	466	8.7	29.8	47.3	7.1	7.0	47.3	4.8	0.4	1.8	45.3	49.1
Russian Federation	518	8.8	28.2	51.2	9.8	1.9	51.2	0.9	0.4	0.6	47.3	55.2
Scotland	352	21.3	16.9	34.1	26.2	1.5	34.1	0.8	0.0	0.6	32.9	35.4
Singapore	582	6.0	11.3	77.6	4.4	0.7	77.6	0.0	0.0	0.7	78.3	77.0
Slovak Republic	435	11.4	8.7	65.0	14.1	0.7	65.0	0.5	0.0	0.3	66.7	63.3
Slovenia	343	24.5	7.5	51.6	13.9	2.4	51.6	0.3	0.0	2.1	48.9	54.4
South Africa	582	13.6	25.2	35.6	22.0	3.6	35.6	0.4	1.5	1.7	37.7	32.9
Spain	494	22.4	14.1	43.2	18.0	2.3	43.2	0.0	0.0	2.3	39.5	47.6
Sweden	527	23.1	18.0	36.1	21.9	0.9	36.1	0.3	0.2	0.4	32.7	39.6
Switzerland	609	15.2	25.6	34.6	22.1	2.4	34.6	1.7	0.0	0.7	33.0	36.2
Thailand	766	19.6	24.6	36.8	17.8	1.2	36.8	0.0	0.7	0.4	42.7	29.9
United States	899	13.7	11.2	58.6	15.3	1.1	58.6	0.0	0.2	0.9	59.4	57.8
INTERNATIONAL AVG	.	15.6	16.8	47.1	18.6	2.0	47.1	0.5	0.2	1.3	46.6	47.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J05 KEY: B
 Identify type of solar radiation that causes sunburn. (Physics)
 Difficulty: 495

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	1.5	86.5	3.0	5.7	2.7	0.6	86.5	0.0	0.2	0.5	84.1	88.9
Austria	343	9.9	78.0	6.3	1.7	2.1	2.1	78.0	0.0	0.9	1.2	76.3	78.5
Belgium (Fl)	358	6.7	62.7	9.2	14.6	5.6	1.1	62.7	0.0	0.0	1.1	59.6	66.4
Belgium (Fr)	308	8.7	62.0	5.2	18.7	2.8	2.5	62.0	0.0	0.0	2.5	61.2	62.8
Bulgaria	161	6.5	80.3	8.3	1.0	1.1	2.9	80.3	1.7	0.7	0.5	79.6	81.1
Canada	1049	3.3	78.4	8.5	6.4	2.6	0.7	78.4	0.2	0.0	0.5	78.2	78.9
Colombia	328	6.3	68.1	7.3	15.2	0.3	2.8	68.1	0.6	0.8	1.3	63.8	72.5
Cyprus	365	14.7	38.7	12.4	28.5	3.5	2.2	38.7	0.6	0.0	1.6	39.9	37.6
Czech Republic	417	15.1	63.0	19.4	0.3	1.3	1.0	63.0	0.0	0.2	0.7	56.9	68.6
Denmark	281	10.4	69.7	13.1	2.0	2.9	1.9	69.7	0.0	0.0	1.9	63.3	76.5
England	216	6.3	70.2	16.4	1.4	5.4	0.4	70.2	0.0	0.0	0.4	66.8	73.2
France	381	8.3	69.4	5.4	14.5	1.1	1.4	69.4	0.6	0.0	0.8	64.2	74.3
Germany	346	6.8	71.7	10.4	3.9	4.1	3.2	71.7	0.7	0.0	2.5	66.4	76.3
Greece	494	6.8	60.1	5.1	22.0	4.4	1.5	60.1	0.2	0.0	1.3	61.3	58.9
Hong Kong	413	6.8	83.1	6.9	1.2	1.4	0.5	83.1	0.0	0.2	0.2	79.1	86.6
Hungary	374	8.4	72.0	12.1	5.2	1.0	1.4	72.0	0.0	0.0	1.4	66.8	77.3
Iceland	226	6.8	72.4	13.9	6.1	0.6	0.2	72.4	0.0	0.0	0.2	75.2	69.4
Iran, Islamic Rep.	473	14.5	23.1	18.0	37.8	5.5	1.2	23.1	0.0	0.3	0.9	21.8	23.2
Ireland	388	4.5	82.1	5.3	3.4	4.8	0.0	82.1	0.0	0.0	0.0	81.3	82.9
Israel	186	14.1	56.1	15.3	10.5	1.0	3.0	56.1	0.0	1.2	1.8	56.4	63.4
Japan	639	3.4	85.5	10.0	1.0	0.1	0.0	85.5	0.0	0.0	0.0	89.3	81.9
Korea	373	12.9	66.2	15.5	3.3	2.1	0.0	66.2	0.0	0.0	0.0	66.0	66.4
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	300	16.5	57.6	15.1	3.8	3.7	3.2	57.6	0.0	0.0	3.2	54.5	61.9
Lithuania	312	15.2	60.1	12.8	3.2	1.0	7.6	60.1	0.3	0.0	7.4	58.2	62.5
Netherlands	230	7.4	80.3	9.4	1.4	1.1	0.4	80.3	0.0	0.0	0.4	79.2	81.1
New Zealand	461	2.5	83.9	3.2	4.9	4.7	0.9	83.9	0.3	0.0	0.6	83.6	84.1
Norway	410	7.1	81.4	7.5	1.8	1.9	0.2	81.4	0.0	0.0	0.2	80.6	82.4
Philippines	740	5.4	65.9	7.8	8.9	11.9	0.0	65.9	0.0	0.0	0.0	67.6	63.8
Portugal	419	4.6	64.6	18.0	9.4	1.4	2.1	64.6	0.0	0.0	2.1	59.6	69.5
Romania	466	6.8	46.7	24.1	14.0	2.2	6.2	46.7	4.0	0.4	1.9	37.4	55.0
Russian Federation	518	19.7	61.6	10.7	3.1	2.0	3.0	61.6	0.0	0.4	2.6	62.4	60.7
Scotland	352	8.8	63.7	18.3	3.0	5.7	0.5	63.7	0.0	0.0	0.5	59.3	67.9
Singapore	582	3.4	82.2	11.7	1.2	1.3	0.2	82.2	0.0	0.0	0.2	80.2	83.8
Slovak Republic	435	14.3	66.2	15.0	2.7	0.7	1.0	66.2	0.4	0.0	0.7	64.0	68.5
Slovenia	344	4.4	82.1	8.2	3.8	0.3	1.3	82.1	0.0	0.0	1.3	81.2	83.0
South Africa	582	16.0	21.8	8.3	20.2	29.6	4.1	21.8	0.4	1.6	2.1	14.8	29.0
Spain	494	9.5	73.6	7.2	9.5	0.3	0.0	73.6	0.0	0.0	0.0	70.2	77.6
Sweden	527	15.7	72.7	8.6	1.2	1.5	0.3	72.7	0.0	0.2	0.1	67.9	77.5
Switzerland	609	11.3	65.4	12.9	7.1	2.9	0.5	65.4	0.4	0.0	0.1	59.8	70.8
Thailand	766	2.8	89.3	6.2	0.5	0.5	0.7	89.3	0.0	0.7	0.0	90.6	87.4
United States	899	3.1	78.7	6.5	4.8	5.6	1.3	78.7	0.2	0.2	0.8	78.5	78.9
INTERNATIONAL AVG	.	8.7	68.2	10.7	7.5	3.3	1.6	68.2	0.3	0.2	1.1	66.0	70.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J06 KEY: B
 Know what happens to atoms in animal after death. (Chemistry)
 Difficulty: 761

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	12.5	35.5	8.0	43.3	0.6	35.5	0.0	0.2	0.5	33.4	37.8
Austria	343	13.9	28.1	14.9	39.9	3.2	28.1	0.0	0.9	2.3	29.7	27.1
Belgium (Fl)	358	11.1	20.0	8.7	59.6	0.5	20.0	0.0	0.0	0.5	17.3	23.3
Belgium (Fr)	308	13.3	12.9	20.8	49.0	4.1	12.9	0.0	0.0	4.1	8.5	17.1
Bulgaria	161	8.1	49.0	7.8	30.5	4.6	49.0	1.5	0.7	2.4	51.7	45.8
Canada	1049	10.0	40.5	16.2	32.5	0.8	40.5	0.1	0.0	0.7	39.8	41.1
Colombia	328	9.7	26.2	16.7	45.3	2.1	26.2	0.7	0.8	0.6	21.7	31.2
Cyprus	365	16.3	11.5	16.7	54.0	1.5	11.5	0.3	0.0	1.1	9.4	13.4
Czech Republic	417	6.5	22.4	20.9	49.1	1.2	22.4	0.0	0.2	0.9	17.4	27.0
Denmark	281	11.1	18.5	17.3	48.9	4.2	18.5	0.5	0.0	3.7	14.2	23.6
England	216	12.1	32.4	10.9	44.6	0.0	32.4	0.0	0.0	0.0	29.4	35.1
France	381	11.4	14.0	18.8	54.5	1.4	14.0	0.0	0.0	1.4	13.1	15.2
Germany	346	15.7	23.7	13.9	43.4	3.3	23.7	0.7	0.0	2.5	20.2	26.3
Greece	494	8.9	29.0	11.1	49.8	1.2	29.0	0.0	0.0	1.2	28.2	29.8
Hong Kong	413	11.8	34.1	25.2	28.4	0.5	34.1	0.0	0.2	0.2	30.3	37.5
Hungary	374	3.0	46.4	19.3	30.6	0.6	46.4	0.0	0.0	0.6	46.5	46.2
Iceland	226	5.5	29.1	11.8	52.8	0.8	29.1	0.0	0.0	0.8	33.0	24.9
Iran, Islamic Rep.	473	7.9	30.6	13.9	47.1	0.4	30.6	0.0	0.3	0.1	26.4	33.3
Ireland	388	13.7	21.0	11.4	53.9	0.0	21.0	0.0	0.0	0.0	18.8	23.3
Israel	186	14.6	20.1	9.6	53.9	1.8	20.1	0.0	1.2	0.5	11.1	29.2
Japan	639	21.6	38.6	20.6	19.0	0.1	38.6	0.0	0.0	0.1	35.4	41.6
Korea	373	20.0	31.9	21.1	27.0	0.0	31.9	0.0	0.0	0.0	30.2	33.2
Kuwait	211	9.9	15.3	18.8	53.0	3.0	15.3	0.0	1.0	2.0	13.4	17.1
Latvia (LSS)	300	17.8	21.4	18.5	41.0	1.2	21.4	0.0	0.0	1.2	22.6	19.8
Lithuania	312	11.9	14.7	11.5	58.0	3.9	14.7	1.8	0.0	2.1	10.6	19.6
Netherlands	230	16.4	24.6	14.2	43.8	0.9	24.6	0.0	0.0	0.9	17.5	31.0
New Zealand	461	15.1	32.0	8.4	43.6	1.0	32.0	0.0	0.0	1.0	27.8	36.0
Norway	410	20.9	18.5	20.1	39.0	1.5	18.5	0.0	0.0	1.5	17.7	19.5
Philippines	740	9.7	34.9	24.1	31.1	0.3	34.9	0.0	0.0	0.3	33.8	35.9
Portugal	419	11.0	15.9	20.0	52.2	0.9	15.9	0.0	0.0	0.9	15.8	15.9
Romania	466	5.3	27.1	25.5	39.0	3.2	27.1	1.4	0.5	1.3	30.2	24.3
Russian Federation	518	11.0	21.4	10.7	55.6	1.3	21.4	0.0	0.4	0.9	18.5	24.3
Scotland	352	18.3	21.9	9.8	49.9	0.0	21.9	0.0	0.0	0.0	14.4	28.9
Singapore	582	10.3	32.4	27.7	29.6	0.0	32.4	0.0	0.0	0.0	30.3	34.1
Slovak Republic	435	17.5	19.0	17.0	43.4	3.2	19.0	0.4	0.0	2.7	20.0	17.9
Slovenia	344	5.8	24.6	28.2	40.2	1.2	24.6	0.3	0.0	0.9	22.8	26.5
South Africa	582	29.6	21.2	16.2	29.0	4.1	21.2	0.8	1.6	1.7	17.9	24.6
Spain	494	8.8	22.7	16.2	51.0	1.3	22.7	0.0	0.0	1.3	25.0	19.8
Sweden	527	17.6	26.2	26.0	29.4	0.9	26.2	0.0	0.2	0.6	21.0	31.4
Switzerland	609	14.2	20.2	18.7	44.4	2.5	20.2	1.3	0.0	1.2	17.3	22.9
Thailand	766	13.7	19.3	25.1	40.8	1.0	19.3	0.0	0.7	0.2	22.3	16.0
United States	899	9.8	42.3	10.4	36.4	1.1	42.3	0.0	0.2	0.9	37.9	46.8
INTERNATIONAL AVG	.	12.7	26.0	16.7	43.0	1.6	26.0	0.2	0.2	1.1	23.9	28.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J07 KEY: D
 Identify how warm-blooded and cold-blooded animals differ. (Life Science)
 Difficulty: 600

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	5.9	3.6	23.8	58.6	7.8	0.3	58.6	0.0	0.2	0.1	60.7	56.5
Austria	343	6.6	14.1	28.2	36.3	9.3	5.5	36.3	0.0	0.9	4.6	40.6	32.6
Belgium (Fl)	358	2.7	9.5	25.0	51.3	10.4	1.0	51.3	0.0	0.0	1.0	49.9	52.9
Belgium (Fr)	308	4.8	9.3	17.6	55.3	5.8	7.3	55.3	0.5	0.0	6.8	57.6	53.1
Bulgaria	161	2.2	4.1	14.3	68.6	2.7	8.1	68.6	2.4	0.7	5.0	71.1	65.5
Canada	1049	7.7	5.4	25.0	56.7	4.5	0.8	56.7	0.4	0.0	0.4	62.3	50.4
Colombia	328	16.3	10.7	18.2	32.8	17.6	4.4	32.8	0.9	0.8	2.7	36.6	28.7
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	417	7.9	3.4	23.9	53.1	10.5	1.1	53.1	0.1	0.2	0.8	48.1	57.9
Denmark	281	8.5	12.4	17.9	38.8	15.8	6.5	38.8	1.1	0.0	5.5	32.7	46.2
England	216	7.9	5.4	29.7	45.2	11.8	0.0	45.2	0.0	0.0	0.0	47.9	42.8
France	381	2.4	7.9	14.4	65.3	6.5	3.5	65.3	1.5	0.0	2.0	61.5	69.0
Germany	346	9.4	6.7	23.6	44.3	10.2	5.9	44.3	1.8	0.0	4.1	41.7	46.3
Greece	494	10.5	7.3	20.1	39.2	20.1	2.8	39.2	0.3	0.0	2.5	41.1	37.2
Hong Kong	413	8.8	1.8	12.3	71.5	4.6	1.1	71.5	0.2	0.2	0.6	69.1	73.5
Hungary	374	9.0	5.3	25.3	50.3	8.2	1.9	50.3	0.0	0.0	1.9	51.6	48.9
Iceland	226	15.3	3.8	16.8	57.6	4.7	1.9	57.6	0.2	0.0	1.6	59.5	55.6
Iran, Islamic Rep.	473	6.8	7.8	28.5	44.4	11.7	0.9	44.4	0.4	0.3	0.1	52.1	38.4
Ireland	388	8.4	10.7	30.8	42.5	7.0	0.5	42.5	0.0	0.0	0.5	41.5	43.6
Israel	186	16.6	2.5	13.3	59.7	3.8	4.2	59.7	0.0	1.2	3.0	55.3	60.7
Japan	639	1.4	2.1	6.1	85.5	4.2	0.6	85.5	0.3	0.0	0.3	88.9	82.4
Korea	373	6.7	2.5	5.1	78.5	7.2	0.0	78.5	0.0	0.0	0.0	81.3	76.4
Kuwait	211	5.3	6.8	17.0	41.9	22.4	6.6	41.9	0.0	1.0	5.5	48.5	35.3
Latvia (LSS)	294	7.8	5.2	25.3	46.8	11.1	3.8	46.8	0.0	0.0	3.8	47.4	46.0
Lithuania	312	10.7	9.6	25.3	37.7	10.0	6.8	37.7	1.5	0.0	5.3	34.4	41.5
Netherlands	230	6.6	1.5	31.3	53.5	7.1	0.0	53.5	0.0	0.0	0.0	57.0	49.8
New Zealand	461	8.8	4.4	33.3	44.6	7.3	1.7	44.6	1.4	0.0	0.2	45.6	43.6
Norway	411	9.5	5.4	18.7	56.1	6.7	3.5	56.1	0.0	0.0	3.5	61.3	49.8
Philippines	741	16.2	8.6	14.7	50.6	9.6	0.3	50.6	0.0	0.0	0.3	55.8	44.1
Portugal	419	8.1	12.0	17.8	47.5	10.1	4.4	47.5	0.0	0.0	4.4	43.6	51.4
Romania	464	6.1	7.9	14.8	52.2	10.5	8.4	52.2	3.6	0.5	4.2	50.2	54.0
Russian Federation	518	7.8	4.0	27.1	42.5	13.7	4.9	42.5	1.0	0.4	3.5	43.5	41.4
Scotland	352	11.0	6.0	27.9	47.3	7.1	0.8	47.3	0.8	0.0	0.0	43.6	50.9
Singapore	582	6.5	6.2	19.7	63.7	2.9	0.8	63.7	0.0	0.0	0.8	65.9	62.0
Slovak Republic	435	5.6	1.6	20.2	57.8	11.5	3.3	57.8	0.9	0.0	2.4	56.6	59.2
Slovenia	344	6.4	4.8	13.4	67.4	6.0	2.1	67.4	0.0	0.0	2.1	67.8	67.0
South Africa	582	15.1	7.8	31.1	22.0	19.1	4.9	22.0	0.9	1.6	2.4	18.0	27.3
Spain	494	9.7	9.9	12.7	56.2	9.2	2.2	56.2	0.0	0.2	2.0	53.9	59.0
Sweden	527	11.9	9.4	21.2	51.4	4.0	2.0	51.4	0.6	0.2	1.1	49.8	53.1
Switzerland	609	8.9	11.7	25.8	41.1	9.8	2.7	41.1	0.8	0.0	1.9	35.8	46.1
Thailand	766	5.0	4.6	28.0	59.0	2.1	1.4	59.0	0.0	0.7	0.6	60.5	56.8
United States	899	7.9	4.1	19.9	62.9	4.0	1.3	62.9	0.1	0.2	1.0	62.3	63.4
INTERNATIONAL AVG	.	8.3	6.5	21.1	52.1	9.0	2.9	52.1	0.5	0.2	2.2	52.5	51.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J08 KEY: B
 Identify gas involved in fire ignition. (Chemistry)
 Difficulty: 610

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	11.1	37.7	38.7	11.3	1.1	37.7	0.0	0.2	0.9	36.3	39.2
Austria	343	13.1	52.3	17.0	14.9	2.6	52.3	0.0	0.9	1.8	46.3	56.0
Belgium (Fl)	358	17.1	47.1	17.4	17.7	0.6	47.1	0.0	0.0	0.6	46.1	48.2
Belgium (Fr)	308	18.4	19.7	23.4	30.4	8.0	19.7	0.0	0.0	8.0	20.6	18.9
Bulgaria	161	6.4	77.0	5.3	7.8	3.5	77.0	0.8	0.7	2.0	82.7	70.3
Canada	1049	10.6	31.9	35.4	21.8	0.3	31.9	0.0	0.0	0.3	32.7	31.4
Colombia	328	32.7	11.3	28.3	24.6	3.1	11.3	1.4	0.8	0.9	12.6	10.0
Cyprus	365	2.9	67.5	8.9	19.4	1.2	67.5	0.0	0.4	0.8	64.9	69.9
Czech Republic	417	13.2	63.9	4.4	16.9	1.6	63.9	0.2	0.2	1.1	55.8	71.6
Denmark	281	8.3	58.7	8.5	22.0	2.5	58.7	0.3	0.0	2.2	58.3	58.8
England	216	11.4	41.4	31.3	16.0	0.0	41.4	0.0	0.0	0.0	36.9	45.3
France	381	7.6	33.4	29.6	27.2	2.2	33.4	0.0	0.0	2.1	22.2	41.6
Germany	346	12.7	56.5	13.7	12.5	4.6	56.5	0.9	0.0	3.6	48.7	63.5
Greece	494	5.9	57.5	10.1	25.6	0.9	57.5	0.0	0.0	0.9	51.5	63.4
Hong Kong	413	3.6	82.4	7.9	5.5	0.5	82.4	0.0	0.5	0.0	78.1	86.2
Hungary	374	23.1	32.8	26.7	16.5	0.9	32.8	0.0	0.0	0.9	37.5	28.0
Iceland	226	26.0	31.3	18.7	22.7	1.3	31.3	0.0	0.0	1.3	34.6	27.8
Iran, Islamic Rep.	473	31.5	26.2	15.3	24.1	2.9	26.2	0.0	0.3	2.6	22.9	28.0
Ireland	388	13.9	41.6	28.7	15.3	0.5	41.6	0.2	0.0	0.3	38.0	45.4
Israel	186	7.1	55.3	16.3	18.1	3.2	55.3	0.0	1.2	2.0	45.5	65.8
Japan	639	9.0	74.2	12.9	3.6	0.3	74.2	0.0	0.0	0.3	69.5	78.6
Korea	373	3.3	78.3	6.8	11.6	0.0	78.3	0.0	0.0	0.0	79.4	77.5
Kuwait	211	12.3	42.1	27.5	17.0	1.2	42.1	0.0	1.0	0.1	43.4	40.8
Latvia (LSS)	294	10.2	61.2	7.4	18.7	2.5	61.2	0.0	0.0	2.5	59.5	63.4
Lithuania	312	11.0	39.8	20.2	17.8	11.2	39.8	0.0	0.3	11.0	39.9	39.6
Netherlands	230	19.4	35.5	21.9	20.3	2.9	35.5	0.0	0.0	2.9	28.2	41.7
New Zealand	461	8.0	44.9	28.6	17.5	0.9	44.9	0.2	0.0	0.7	42.8	46.9
Norway	411	10.2	61.2	16.0	12.1	0.5	61.2	0.0	0.0	0.5	57.4	65.7
Philippines	741	23.6	29.8	25.0	21.3	0.3	29.8	0.0	0.0	0.3	28.0	32.1
Portugal	419	23.8	43.3	7.8	23.7	1.4	43.3	0.0	0.0	1.4	35.9	50.7
Romania	466	8.1	59.1	13.6	16.2	3.0	59.1	0.7	0.5	1.8	58.4	59.7
Russian Federation	518	4.6	75.8	5.1	12.8	1.7	75.8	0.0	0.4	1.3	72.5	79.2
Scotland	352	7.3	49.2	26.2	17.0	0.3	49.2	0.0	0.0	0.3	41.9	56.1
Singapore	582	3.8	72.0	17.1	6.7	0.4	72.0	0.0	0.0	0.4	71.0	72.9
Slovak Republic	435	7.2	78.1	4.6	9.2	0.9	78.1	0.0	0.0	0.9	71.4	85.0
Slovenia	344	8.8	70.7	7.7	11.3	1.4	70.7	0.0	0.0	1.4	72.7	68.7
South Africa	582	13.6	39.4	20.8	21.8	4.3	39.4	0.8	1.6	1.9	32.6	46.1
Spain	494	27.1	38.5	14.2	18.2	2.1	38.5	0.0	0.2	1.8	33.7	44.2
Sweden	527	7.0	68.9	9.0	14.4	0.8	68.9	0.0	0.2	0.5	64.8	73.0
Switzerland	609	20.8	38.2	18.9	20.5	1.6	38.2	0.1	0.0	1.4	34.4	41.8
Thailand	766	7.2	55.5	14.5	21.6	1.3	55.5	0.3	0.7	0.3	57.4	53.1
United States	899	17.6	26.5	39.0	15.3	1.5	26.5	0.1	0.2	1.2	22.0	31.1
INTERNATIONAL AVG	.	12.9	50.2	17.9	17.1	2.0	50.2	0.1	0.2	1.6	47.4	52.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J09
 Explain how to determine the age of a cut tree. (Life Science)
 Difficulty: 413

COUNTRY	N	10	11	19	70	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
										REACH ED			
Australia	898	15.0	51.4	0.5	11.3	16.1	1.2	4.5	66.9	0.2	4.3	65.5	68.4
Austria	343	36.8	54.8	0.2	2.9	1.3	0.6	3.5	91.7	0.9	2.6	90.3	92.6
Belgium (Fl)	358	39.5	51.6	0.6	2.3	4.6	0.3	1.2	91.7	0.0	1.2	90.2	93.4
Belgium (Fr)	308	0.0	0.0	63.4	0.0	24.9	0.0	11.7	63.4	0.0	11.7	61.7	64.9
Bulgaria	161	29.3	57.6	0.0	2.8	2.8	0.0	7.5	86.9	0.7	6.8	87.4	86.2
Canada	1049	14.0	70.7	1.4	4.2	6.8	0.2	2.7	86.1	0.0	2.7	86.0	86.1
Colombia	328	4.0	11.8	4.5	19.0	36.6	0.5	23.7	20.3	0.8	22.8	13.6	27.6
Cyprus	365	12.9	31.9	16.9	9.7	14.4	0.9	13.3	61.7	0.4	12.8	64.5	59.3
Czech Republic	417	13.8	68.4	6.1	3.3	3.4	1.5	3.4	88.3	0.2	3.2	86.0	90.4
Denmark	281	33.8	28.9	28.4	1.6	1.9	0.0	5.3	91.1	0.3	5.0	90.6	91.5
England	216	16.8	38.8	23.2	9.4	7.5	1.7	2.7	78.7	0.0	2.7	75.7	81.4
France	381	14.0	46.3	6.1	13.6	9.8	1.2	8.9	66.5	0.0	8.9	63.4	68.8
Germany	342	36.0	48.6	2.7	2.5	1.5	1.2	7.4	87.3	0.0	7.4	85.6	89.5
Greece	494	8.0	49.8	4.3	13.5	10.4	1.9	12.0	62.2	0.0	12.0	57.8	66.4
Hong Kong	411	7.8	20.2	11.3	23.6	14.0	0.5	22.7	39.3	0.5	22.1	37.7	40.6
Hungary	374	26.2	41.5	13.2	8.0	4.0	0.0	7.1	80.9	0.0	7.1	75.6	86.2
Iceland	226	17.1	58.1	15.2	0.0	6.6	1.0	2.0	90.4	0.0	2.0	94.3	86.3
Iran, Islamic Rep.	473	10.7	55.6	15.3	0.9	11.0	1.1	5.6	81.5	0.3	5.3	79.5	83.0
Ireland	388	24.5	64.1	0.8	5.3	3.1	0.6	1.6	89.4	0.0	1.6	90.6	88.1
Israel	186	11.9	49.8	1.5	21.9	2.8	0.0	12.1	63.2	1.2	10.9	65.4	63.5
Japan	639	8.3	71.3	8.3	6.3	0.8	1.2	3.7	88.0	0.0	3.7	87.8	88.1
Korea	373	12.3	74.5	8.4	1.1	3.4	0.0	0.3	95.2	0.0	0.3	95.2	95.3
Kuwait	211	16.3	7.9	7.0	23.2	19.8	3.5	22.2	31.2	1.0	21.1	33.6	28.9
Latvia (LSS)	296	49.9	35.1	1.7	1.5	3.1	1.0	7.7	86.8	0.0	7.7	86.1	87.7
Lithuania	312	23.2	55.9	6.1	2.6	3.5	0.3	8.4	85.2	0.3	8.2	85.0	85.3
Netherlands	230	45.6	49.8	0.1	1.7	1.4	0.5	1.0	95.4	0.0	1.0	94.1	96.4
New Zealand	461	23.3	60.3	2.5	7.1	4.8	0.2	2.0	86.0	0.0	2.0	83.1	88.8
Norway	411	70.3	25.8	0.0	0.4	1.7	0.6	1.2	96.1	0.0	1.2	97.3	94.6
Philippines	741	8.8	14.4	3.2	14.3	40.5	2.4	16.3	26.5	0.0	16.3	24.4	29.3
Portugal	419	4.0	31.7	9.0	16.4	25.8	1.2	11.7	44.8	0.0	11.7	41.1	48.6
Romania	466	16.6	41.0	1.7	8.6	10.1	1.2	20.7	59.3	0.5	20.1	59.5	59.2
Russian Federation	518	23.3	47.3	18.8	1.3	2.2	0.7	6.3	89.5	0.6	5.8	90.1	88.8
Scotland	352	16.9	59.8	3.9	8.7	8.0	0.3	2.5	80.6	0.0	2.5	77.0	84.0
Singapore	582	20.1	32.7	6.2	28.1	7.2	0.2	5.6	59.0	0.0	5.6	41.9	72.7
Slovak Republic	435	11.8	42.6	41.6	1.0	0.7	0.2	2.0	96.0	0.0	2.0	94.7	97.4
Slovenia	344	19.7	57.4	13.2	1.9	3.7	2.6	1.5	90.3	0.0	1.5	89.7	90.9
South Africa	582	4.7	11.0	1.4	6.4	27.5	2.9	46.1	17.1	1.8	44.3	9.3	25.6
Spain	494	14.8	52.6	5.3	15.3	5.0	0.4	6.6	72.7	0.2	6.4	68.4	77.8
Sweden	527	46.9	42.6	4.0	2.7	1.8	0.4	1.7	93.5	0.2	1.5	92.7	94.2
Switzerland	609	38.6	44.6	2.3	5.4	4.6	1.0	3.4	85.6	0.0	3.4	84.4	86.8
Thailand	766	16.3	18.5	13.5	30.2	7.0	5.4	9.1	48.4	0.7	8.4	48.5	48.1
United States	899	11.9	69.3	0.3	7.3	7.0	0.4	3.8	81.5	0.2	3.6	80.1	82.9
INTERNATIONAL AVG	.	20.8	44.0	8.9	8.3	8.9	1.0	8.2	73.7	0.3	7.9	72.0	75.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: K10
 Describe a method demonstrating the existence of air. (Physics)
 Difficulty: 676

COUNTRY	N	10	11	12	13	14	15	19	70	72	76	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right	
																REACH ED				
Australia	925	29.2	0.2	1.3	6.8	1.0	2.1	4.1	19.5	2.6	0.0	13.9	3.1	16.2	44.7	0.2	16.1	47.5	41.6	
Austria	333	15.9	2.9	0.3	2.2	0.5	0.8	0.8	40.4	5.3	0.1	14.5	2.5	14.0	23.3	1.0	12.9	19.7	25.8	
Belgium (Fl)	362	22.4	0.5	0.6	2.1	0.7	9.3	9.0	27.0	7.7	1.6	9.6	1.0	8.8	44.4	0.0	8.8	45.3	43.6	
Belgium (Fr)	317	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	0.0	52.3	0.0	18.7	29.0	0.0	18.7	29.7	28.1	
Bulgaria	315	10.3	2.6	2.7	2.4	0.8	0.9	12.7	24.0	1.2	0.0	5.4	1.0	35.9	32.4	1.5	34.4	34.8	30.9	
Canada	1056	30.6	0.5	0.3	7.0	1.3	1.7	2.1	26.2	10.8	0.1	10.9	1.7	6.8	43.5	0.0	6.8	47.1	40.0	
Colombia	338	33.5	0.6	0.0	2.0	0.0	0.0	9.8	17.5	0.0	1.2	12.8	1.8	20.8	45.9	0.6	20.2	49.6	42.1	
Cyprus	371	32.6	0.0	0.0	4.0	0.7	0.7	1.2	10.2	0.6	0.7	12.7	1.6	34.9	39.2	0.3	34.6	40.3	38.0	
Czech Republic	421	11.7	0.2	1.6	6.4	1.5	3.6	0.9	59.1	1.1	0.0	5.2	0.6	8.0	26.1	0.0	8.0	28.7	23.3	
Denmark	292	31.0	3.3	2.7	3.9	1.6	0.1	2.3	23.4	4.9	1.3	4.7	1.8	18.9	45.0	0.4	18.5	44.4	45.2	
England	218	17.8	1.1	0.0	7.1	0.7	4.4	3.8	29.9	11.4	0.0	12.2	3.4	8.2	34.9	0.0	8.2	37.6	32.4	
France	382	17.2	0.2	0.0	0.8	0.0	4.3	0.9	36.0	1.6	0.6	10.4	2.4	25.6	23.4	0.0	25.6	25.4	22.0	
Germany	352	8.7	0.5	0.7	2.4	1.3	7.8	1.0	30.8	1.8	0.4	11.1	1.7	31.8	22.4	0.0	31.8	21.8	23.5	
Greece	491	46.8	1.1	0.3	8.5	6.8	1.1	0.7	14.8	0.4	0.2	4.8	3.0	11.6	65.1	0.0	11.6	64.2	66.3	
Hong Kong	416	13.9	0.0	0.1	4.4	1.7	12.8	0.7	32.8	1.5	0.9	7.8	3.8	19.6	33.6	0.3	19.3	28.7	37.8	
Hungary	351	4.2	0.0	0.0	1.1	0.4	2.2	0.3	50.7	4.3	0.6	6.5	2.5	27.0	8.3	0.5	26.5	4.6	11.5	
Iceland	226	7.2	0.0	1.6	8.0	0.0	1.7	2.9	30.1	5.3	3.7	11.4	4.3	23.8	21.4	0.0	23.8	27.0	15.9	
Iran, Islamic Rep.	463	4.6	0.3	7.9	3.6	4.5	3.3	0.6	31.7	2.5	0.0	23.9	0.1	17.0	24.9	0.4	16.6	22.5	27.3	
Ireland	385	19.0	0.0	1.5	5.5	2.2	4.5	3.3	25.8	11.7	0.5	10.1	2.2	13.7	36.0	0.0	13.7	37.2	34.8	
Israel	189	11.5	0.5	2.3	11.7	1.1	4.0	3.2	34.6	0.5	0.0	12.7	0.7	17.2	34.3	2.2	15.0	34.5	36.9	
Japan	637	4.4	0.5	0.8	10.1	1.3	5.6	5.3	28.6	1.5	0.0	33.4	1.3	7.2	28.1	0.0	7.2	29.4	26.7	
Korea	369	8.8	0.5	2.5	7.1	0.8	5.5	10.8	44.9	0.5	0.5	13.7	0.0	4.4	36.0	0.0	4.4	31.2	39.9	
Kuwait	204	17.2	0.0	0.0	0.5	0.0	0.5	3.4	36.6	0.0	3.2	15.2	2.2	21.0	21.7	0.0	21.0	22.2	21.2	
Latvia (LSS)	299	8.9	0.3	0.0	4.3	0.0	3.1	5.2	30.3	0.3	0.2	13.7	2.6	31.2	21.7	0.2	31.0	17.6	26.4	
Lithuania	328	8.0	1.3	0.8	1.3	1.0	2.1	1.7	46.9	0.0	6.4	2.8	2.9	24.8	16.2	0.0	24.8	12.6	20.4	
Netherlands	250	26.9	1.0	1.4	6.9	1.8	2.0	4.6	19.4	10.7	0.0	17.4	2.2	5.5	44.6	0.0	5.5	46.1	42.4	
New Zealand	457	22.7	3.6	0.4	7.6	2.1	5.7	0.9	25.7	4.8	0.0	10.6	0.9	15.0	43.0	0.0	15.0	45.6	40.7	
Norway	408	25.8	1.3	0.8	4.0	1.0	3.0	4.5	34.4	3.3	0.3	7.4	3.5	10.7	40.4	0.0	10.7	47.8	32.1	
Philippines	745	15.4	1.3	0.1	1.6	0.3	0.0	5.4	6.2	0.7	6.3	31.1	5.2	26.3	24.2	0.0	26.3	26.1	21.8	
Portugal	431	23.9	0.6	0.7	4.9	0.2	1.9	5.0	40.8	0.3	0.2	9.3	4.9	7.2	37.4	0.0	7.2	36.0	38.5	
Romania	459	5.6	1.0	0.3	2.9	0.6	0.2	4.6	39.6	0.4	1.4	9.8	0.2	33.3	15.2	0.4	32.9	15.7	14.9	
Russian Federation	502	6.0	0.4	2.6	5.8	0.4	4.7	2.3	41.0	0.3	0.0	4.4	2.5	29.7	22.2	0.0	29.7	18.3	27.0	
Scotland	350	17.1	0.7	0.0	4.8	1.2	2.4	3.8	29.7	6.9	0.3	14.8	1.5	16.9	29.9	0.0	16.9	32.2	28.0	
Singapore	590	14.3	0.0	2.4	19.4	0.0	6.9	8.4	23.5	2.9	0.2	12.5	1.3	8.2	51.5	0.1	8.1	49.0	53.9	
Slovak Republic
Slovenia	341	11.6	2.1	0.0	3.7	0.4	0.6	7.9	44.2	4.9	0.2	8.2	1.2	15.2	26.1	0.0	15.2	26.1	26.1	
South Africa	560	7.2	0.2	0.7	0.9	0.3	1.3	2.1	6.2	0.5	9.6	18.0	1.7	51.4	12.7	1.3	50.0	10.5	15.0	
Spain	495	41.0	0.4	1.3	3.2	0.3	0.8	2.4	20.9	0.5	2.1	8.2	0.6	18.2	49.4	0.2	18.0	47.8	51.2	
Sweden	507	18.1	2.0	2.9	8.2	1.1	3.5	2.8	34.5	3.7	0.0	9.9	3.7	9.6	38.6	0.4	9.2	38.3	39.4	
Switzerland	600	20.2	1.8	0.8	2.3	1.5	3.2	2.5	34.5	2.4	0.8	7.6	2.9	19.6	32.2	0.0	19.6	31.8	32.5	
Thailand	753	23.2	0.5	2.2	5.1	2.7	2.0	2.4	37.2	1.5	1.9	8.7	1.2	11.4	38.2	0.1	11.3	39.7	36.1	
United States	878	34.7	0.7	0.6	7.4	0.9	3.8	2.6	15.2	8.0	0.1	15.5	2.5	7.9	50.8	0.2	7.7	55.1	46.0	
INTERNATIONAL AVG	.	17.8	0.8	1.1	4.9	1.1	3.0	4.3	29.4	3.2	1.1	12.8	2.1	18.4	33.1	0.3	18.1	33.4	32.9	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: K11 KEY: A
 Identify oxygen/carbon dioxide cycle in aquarium. (Life Science)
 Difficulty: 551

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	58.1	12.2	7.8	15.2	3.4	3.4	58.1	0.0	0.3	3.1	61.1	54.7
Austria	333	61.4	15.1	4.4	13.2	1.4	4.6	61.4	0.6	1.0	3.0	59.2	63.0
Belgium (Fl)	362	64.4	11.1	6.2	15.4	2.1	0.8	64.4	0.0	0.0	0.8	64.0	64.9
Belgium (Fr)	317	46.1	11.6	8.1	13.4	2.2	18.6	46.1	0.5	0.0	18.2	41.0	53.6
Bulgaria	315	59.5	10.9	8.6	9.1	2.3	9.6	59.5	0.1	2.4	7.1	62.6	57.4
Canada	1056	59.8	10.4	8.1	16.9	3.1	1.7	59.8	0.4	0.0	1.4	56.5	63.8
Colombia	338	39.6	20.4	8.9	23.8	1.9	5.4	39.6	0.2	1.3	4.0	38.2	41.9
Cyprus	371	44.9	12.6	14.5	18.8	3.3	6.0	44.9	0.6	0.3	5.0	47.7	41.7
Czech Republic	421	72.1	2.3	5.1	12.6	1.7	6.2	72.1	0.0	0.0	6.2	69.7	74.5
Denmark	292	41.4	17.4	10.1	14.2	6.5	10.4	41.4	0.2	0.4	9.7	40.5	42.9
England	218	67.4	9.2	2.3	16.1	2.8	2.2	67.4	0.0	0.0	2.2	65.3	69.4
France	382	53.6	10.1	9.6	17.6	4.3	4.9	53.6	0.0	0.0	4.9	49.5	57.3
Germany	355	60.6	10.1	8.9	12.3	1.0	7.1	60.6	1.0	0.0	6.1	61.6	60.7
Greece	491	53.7	6.9	9.5	18.5	4.3	7.1	53.7	0.3	0.2	6.6	56.5	51.0
Hong Kong	417	69.1	8.7	8.9	8.9	3.9	0.5	69.1	0.0	0.3	0.2	68.4	69.7
Hungary	351	64.7	8.4	4.4	13.5	2.9	6.1	64.7	0.8	0.7	4.6	61.0	68.0
Iceland	226	47.3	19.3	12.0	14.1	3.8	3.4	47.3	0.0	0.0	3.4	55.8	38.8
Iran, Islamic Rep.	463	50.7	12.6	7.5	18.8	5.5	5.0	50.7	0.0	0.4	4.6	53.4	49.0
Ireland	385	62.6	9.9	4.0	18.4	2.7	2.5	62.6	0.5	0.0	2.1	63.9	61.2
Israel	189	59.7	6.0	6.2	17.7	1.1	9.3	59.7	0.0	2.2	7.1	59.7	64.4
Japan	637	80.4	6.1	4.4	7.3	1.4	0.4	80.4	0.2	0.0	0.2	80.4	80.4
Korea	369	77.3	5.4	2.9	11.1	3.2	0.0	77.3	0.0	0.0	0.0	79.2	75.8
Kuwait	204	51.5	11.8	10.3	17.1	6.8	2.6	51.5	0.0	0.0	2.6	60.1	43.0
Latvia (LSS)	298	50.3	12.9	14.3	14.8	1.9	5.7	50.3	0.0	0.2	5.5	49.8	51.0
Lithuania	328	44.2	20.7	5.1	12.3	3.6	14.1	44.2	0.0	0.0	14.1	42.9	45.6
Netherlands	250	56.6	15.6	7.7	14.7	5.3	0.0	56.6	0.0	0.0	0.0	53.5	59.1
New Zealand	457	59.5	11.6	7.5	16.7	3.1	1.5	59.5	0.6	0.0	0.9	60.1	59.0
Norway	408	58.5	10.7	7.1	17.1	3.9	2.7	58.5	0.0	0.0	2.7	56.0	61.4
Philippines	746	57.0	10.6	10.9	17.2	4.4	0.0	57.0	0.0	0.0	0.0	57.4	56.6
Portugal	431	59.5	8.8	6.3	20.0	2.3	3.1	59.5	0.0	0.0	3.1	56.4	62.2
Romania	459	62.9	7.3	5.4	12.4	1.7	10.3	62.9	1.2	0.7	8.5	62.5	63.6
Russian Federation	502	68.4	10.0	5.1	9.8	0.4	6.3	68.4	0.2	0.1	6.0	67.2	69.9
Scotland	350	53.0	11.4	8.8	21.6	2.8	2.4	53.0	0.6	0.4	1.5	46.4	58.5
Singapore	590	90.5	2.3	1.0	5.4	0.1	0.7	90.5	0.0	0.1	0.6	90.9	90.5
Slovak Republic	432	67.2	8.3	4.9	11.2	1.4	7.0	67.2	0.4	0.2	6.4	63.8	70.3
Slovenia	341	66.9	12.6	5.5	8.9	1.9	4.3	66.9	0.7	0.0	3.7	65.1	68.9
South Africa	559	40.8	15.2	13.0	16.0	7.5	7.6	40.8	2.0	1.6	4.0	41.9	40.0
Spain	495	61.7	12.5	5.9	15.6	1.6	2.7	61.7	0.0	0.2	2.5	64.3	58.8
Sweden	507	51.9	12.4	9.3	20.8	3.0	2.6	51.9	0.0	0.4	2.2	51.1	52.0
Switzerland	600	52.0	14.6	6.8	16.8	3.8	5.9	52.0	0.5	0.0	5.4	56.9	46.8
Thailand	753	71.4	5.9	6.0	13.1	2.2	1.6	71.4	0.0	0.2	1.4	74.2	67.2
United States	878	58.8	11.1	9.8	16.4	2.6	1.4	58.8	0.2	0.2	1.0	57.6	60.1
INTERNATIONAL AVG	.	59.0	11.0	7.5	14.9	3.0	4.7	59.0	0.3	0.3	4.1	58.9	59.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K12 KEY: C
 Relate reproductive cell production to population. (Life Science)
 Difficulty: 570

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	10.7	11.5	70.0	6.7	1.1	70.0	0.0	0.3	0.8	69.6	70.3
Austria	333	14.6	15.8	47.1	20.4	2.1	47.1	0.0	1.0	1.1	42.5	51.2
Belgium (Fl)	362	17.8	13.4	54.2	13.8	0.7	54.2	0.0	0.0	0.7	53.4	55.0
Belgium (Fr)	317	16.7	12.4	55.3	6.5	9.1	55.3	0.0	0.0	9.1	56.4	54.2
Bulgaria	315	34.7	9.3	39.5	11.0	5.5	39.5	0.3	2.4	2.8	35.2	43.1
Canada	1056	16.8	14.1	62.1	5.7	1.2	62.1	0.0	0.0	1.2	64.1	60.0
Colombia	338	24.2	16.3	20.2	31.7	7.6	20.2	0.0	1.3	6.3	20.0	20.8
Cyprus	371	12.7	12.9	57.1	14.4	2.9	57.1	0.2	0.3	2.4	63.7	49.6
Czech Republic	421	16.0	5.7	63.0	12.6	2.7	63.0	0.4	0.2	2.2	61.0	65.0
Denmark	292	20.2	16.2	39.9	18.3	5.4	39.9	0.0	0.4	4.9	41.1	39.1
England	218	14.8	8.2	70.0	7.0	0.0	70.0	0.0	0.0	0.0	67.7	72.2
France	382	11.6	10.4	64.5	10.9	2.7	64.5	0.0	0.5	2.2	65.0	65.0
Germany	355	17.4	18.2	49.0	11.7	3.7	49.0	0.0	0.0	3.7	46.0	52.5
Greece	491	13.7	10.3	59.6	13.5	2.9	59.6	0.0	0.2	2.6	57.4	61.8
Hong Kong	417	12.3	9.6	70.5	7.1	0.5	70.5	0.0	0.3	0.3	71.6	69.6
Hungary	352	21.6	12.3	40.8	14.0	11.3	40.8	0.0	0.7	10.6	37.8	43.5
Iceland	226	37.2	24.9	26.2	10.4	1.2	26.2	0.0	0.0	1.2	23.7	28.6
Iran, Islamic Rep.	463	16.8	18.0	31.9	30.0	3.3	31.9	0.1	0.4	2.9	31.5	32.6
Ireland	385	14.6	8.1	68.6	6.5	2.2	68.6	0.5	0.0	1.7	69.0	68.1
Israel	189	5.0	5.3	78.7	6.3	4.8	78.7	0.0	2.2	2.6	82.4	82.9
Japan	637	9.1	8.1	74.5	7.3	1.0	74.5	0.0	0.0	1.0	74.4	74.7
Korea	369	7.3	7.3	80.5	4.9	0.0	80.5	0.0	0.0	0.0	77.9	82.7
Kuwait	204	20.7	11.7	39.9	24.5	3.2	39.9	0.6	0.0	2.7	44.4	35.4
Latvia (LSS)	298	27.1	8.4	40.2	19.2	5.1	40.2	0.0	0.2	4.9	34.0	47.5
Lithuania	328	14.2	6.0	53.6	17.7	8.5	53.6	0.2	0.3	8.0	51.1	56.5
Netherlands	250	10.0	11.0	65.3	12.9	0.9	65.3	0.4	0.0	0.4	65.0	65.3
New Zealand	457	13.9	11.4	63.3	10.4	0.9	63.3	0.5	0.0	0.5	59.1	67.0
Norway	408	17.0	13.9	49.2	16.6	3.3	49.2	0.0	0.0	3.3	48.3	50.1
Philippines	746	15.8	28.4	43.6	11.8	0.4	43.6	0.0	0.0	0.4	45.9	40.4
Portugal	431	13.3	11.8	56.1	16.9	1.9	56.1	0.0	0.0	1.9	55.6	56.6
Romania	459	9.8	9.1	55.3	17.2	8.5	55.3	0.8	0.7	7.0	54.8	55.4
Russian Federation	502	17.4	9.2	53.3	13.1	6.9	53.3	0.2	0.3	6.4	50.1	57.5
Scotland	350	16.6	14.0	61.7	5.9	1.8	61.7	0.2	0.4	1.2	58.4	64.6
Singapore	590	7.0	9.9	79.1	3.3	0.8	79.1	0.0	0.1	0.6	82.2	76.5
Slovak Republic	432	11.2	5.8	62.7	16.3	3.9	62.7	0.0	0.2	3.7	60.1	65.1
Slovenia	341	16.8	23.9	45.3	10.8	3.2	45.3	0.7	0.0	2.5	43.6	47.2
South Africa	559	21.4	16.6	26.7	28.4	6.9	26.7	0.2	1.6	5.1	26.0	27.6
Spain	495	18.8	14.5	50.4	14.2	2.1	50.4	0.0	0.2	1.9	51.9	48.6
Sweden	507	21.9	12.7	48.7	15.5	1.2	48.7	0.0	0.4	0.9	47.4	49.2
Switzerland	600	9.7	16.1	56.3	15.4	2.4	56.3	0.3	0.0	2.2	58.9	53.4
Thailand	753	21.5	17.3	47.8	11.5	2.0	47.8	0.0	0.2	1.8	53.4	39.5
United States	878	11.6	9.0	71.5	6.2	1.7	71.5	0.2	0.2	1.3	72.9	70.0
INTERNATIONAL AVG	.	16.2	12.6	54.6	13.3	3.3	54.6	0.1	0.4	2.8	54.2	55.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K13 KEY: B
 Identify electrical conductors that form complete circuits. (Physics)
 Difficulty: 429

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	4.0	83.0	3.4	5.6	3.5	0.5	83.0	0.0	0.3	0.1	78.4	88.0
Austria	333	1.6	91.5	1.4	1.2	3.1	1.3	91.5	0.0	1.0	0.3	89.1	93.3
Belgium (Fl)	362	0.8	86.5	6.2	3.6	2.8	0.0	86.5	0.0	0.0	0.0	82.3	90.9
Belgium (Fr)	317	7.0	61.7	6.7	5.0	11.7	7.9	61.7	0.0	0.0	7.9	55.4	70.9
Bulgaria	315	7.1	75.3	5.4	3.5	2.6	6.0	75.3	0.3	2.4	3.3	75.5	75.5
Canada	1056	5.4	78.9	5.0	4.0	6.1	0.5	78.9	0.0	0.0	0.5	73.1	86.0
Colombia	338	12.0	62.6	5.2	5.2	10.6	4.3	62.6	0.4	1.9	2.1	55.4	71.4
Cyprus	371	8.1	73.0	9.3	5.2	3.2	1.2	73.0	0.0	0.3	0.9	68.9	77.6
Czech Republic	421	3.1	88.9	2.6	1.7	2.9	0.8	88.9	0.0	0.2	0.6	84.5	93.5
Denmark	292	4.7	74.2	5.0	4.2	8.9	3.0	74.2	0.0	0.4	2.6	68.0	80.6
England	218	2.7	90.4	2.9	2.1	2.0	0.0	90.4	0.0	0.0	0.0	89.8	90.9
France	382	3.9	79.0	4.1	3.0	8.7	1.2	79.0	0.0	0.5	0.8	79.1	78.7
Germany	355	5.4	82.9	6.4	2.3	1.8	1.2	82.9	0.0	0.0	1.2	80.2	86.8
Greece	491	9.0	69.0	5.5	6.5	7.9	2.2	69.0	0.0	0.2	2.0	59.6	78.5
Hong Kong	417	4.2	88.2	1.8	3.2	2.0	0.7	88.2	0.2	0.3	0.3	83.6	92.2
Hungary	352	2.6	85.4	2.4	3.5	4.0	2.0	85.4	0.0	0.7	1.3	79.6	90.6
Iceland	226	14.1	66.0	9.0	5.4	5.5	0.0	66.0	0.0	0.0	0.0	64.0	68.0
Iran, Islamic Rep.	463	8.3	59.1	8.7	7.9	15.3	0.8	59.1	0.0	0.4	0.4	48.2	69.3
Ireland	385	6.9	69.4	7.1	6.3	9.4	0.8	69.4	0.5	0.3	0.0	57.9	81.1
Israel	189	3.2	85.6	2.9	1.6	3.1	3.4	85.6	0.0	2.2	1.2	87.6	90.3
Japan	637	2.4	91.7	1.0	1.9	2.9	0.0	91.7	0.0	0.0	0.0	90.6	92.9
Korea	369	4.4	92.5	0.5	1.8	0.8	0.0	92.5	0.0	0.0	0.0	88.5	95.9
Kuwait	204	5.4	65.0	8.8	7.1	12.1	1.6	65.0	0.0	0.0	1.6	62.5	67.5
Latvia (LSS)	298	15.1	60.4	7.8	10.3	4.4	1.9	60.4	0.0	0.2	1.7	43.6	80.0
Lithuania	328	11.0	64.3	4.6	6.7	4.5	8.9	64.3	0.2	0.3	8.4	47.2	83.9
Netherlands	250	4.9	80.7	3.7	4.8	5.4	0.5	80.7	0.0	0.0	0.5	76.8	84.8
New Zealand	457	5.5	82.0	2.6	3.3	6.6	0.0	82.0	0.0	0.0	0.0	78.2	85.3
Norway	408	7.0	73.5	5.8	5.6	7.6	0.4	73.5	0.0	0.0	0.4	62.9	85.5
Philippines	746	9.7	41.6	11.0	7.5	30.0	0.3	41.6	0.0	0.0	0.3	36.1	48.6
Portugal	431	5.7	74.4	5.8	4.6	8.7	0.8	74.4	0.0	0.0	0.8	65.2	82.4
Romania	459	7.6	69.0	6.1	7.4	5.3	4.6	69.0	0.9	0.7	3.0	65.6	72.0
Russian Federation	502	4.9	74.3	3.6	8.5	4.4	4.2	74.3	0.0	0.3	3.9	65.8	85.1
Scotland	350	2.0	81.8	5.9	3.8	5.8	0.7	81.8	0.0	0.4	0.3	78.7	84.4
Singapore	590	0.6	97.2	0.8	0.2	0.8	0.3	97.2	0.0	0.1	0.2	96.2	98.1
Slovak Republic	432	2.3	90.9	2.6	1.5	1.5	1.3	90.9	0.0	0.2	1.1	86.7	94.6
Slovenia	341	2.5	88.5	0.5	3.4	3.8	1.3	88.5	0.0	0.0	1.3	85.8	91.5
South Africa	559	14.5	42.1	21.7	6.7	11.3	3.8	42.1	0.0	1.6	2.1	33.1	51.6
Spain	495	3.7	81.8	4.7	3.7	5.3	0.8	81.8	0.0	0.2	0.6	78.9	85.1
Sweden	507	1.7	88.1	2.8	1.8	4.5	1.2	88.1	0.0	0.4	0.8	84.9	90.6
Switzerland	600	5.5	77.5	4.9	5.6	5.3	1.2	77.5	0.0	0.0	1.2	68.3	87.3
Thailand	753	3.9	77.7	3.1	7.9	4.5	2.9	77.7	0.0	0.2	2.7	75.3	81.6
United States	878	3.9	77.9	4.7	6.5	6.4	0.7	77.9	0.0	0.2	0.5	76.7	79.2
INTERNATIONAL AVG	.	5.7	76.8	5.1	4.6	6.1	1.8	76.8	0.1	0.4	1.4	71.6	82.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K14 KEY: D
 Relate evaporation rate to surface area. (Physics)
 Difficulty: 383

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	9.2	3.1	2.9	81.7	3.1	81.7	0.0	0.3	2.8	81.3	82.1
Austria	332	6.9	1.6	1.9	85.9	3.7	85.9	0.0	1.0	2.7	86.2	86.6
Belgium (Fl)	362	7.9	1.7	0.7	86.1	3.6	86.1	0.0	0.0	3.6	84.2	88.1
Belgium (Fr)	317	5.8	2.0	1.6	80.8	9.9	80.8	0.0	0.3	9.6	79.6	83.0
Bulgaria	315	1.6	2.3	2.2	86.7	7.2	86.7	0.5	2.7	4.0	86.9	87.1
Canada	1056	8.1	2.3	3.8	84.6	1.2	84.6	0.0	0.1	1.1	86.2	82.5
Colombia	338	26.1	2.5	2.7	59.0	9.7	59.0	0.0	2.9	6.7	60.5	57.3
Cyprus	371	4.7	6.1	4.2	77.2	7.8	77.2	0.0	0.3	7.5	77.2	77.2
Czech Republic	421	9.2	2.1	0.2	87.1	1.4	87.1	0.0	0.5	0.9	83.3	91.0
Denmark	292	14.8	4.2	1.3	76.0	3.6	76.0	0.5	0.4	2.7	74.1	78.1
England	218	8.5	4.3	1.3	84.3	1.7	84.3	0.0	0.0	1.7	85.6	83.2
France	382	7.1	2.9	2.1	85.2	2.7	85.2	0.7	0.5	1.6	83.7	86.0
Germany	355	4.9	3.9	0.8	83.1	7.3	83.1	1.1	0.0	6.2	83.9	82.3
Greece	491	8.8	2.7	1.7	82.0	4.8	82.0	0.2	0.2	4.4	77.4	86.6
Hong Kong	417	3.3	1.6	1.2	89.2	4.7	89.2	0.0	0.3	4.4	90.9	87.6
Hungary	352	7.9	2.4	0.8	85.5	3.4	85.5	0.0	0.7	2.7	79.9	90.5
Iceland	226	13.9	5.3	3.9	70.1	6.9	70.1	0.0	0.0	6.9	75.4	65.0
Iran, Islamic Rep.	463	11.2	1.8	3.9	76.4	6.6	76.4	0.0	0.4	6.2	78.0	74.7
Ireland	385	9.3	3.4	0.5	83.2	3.6	83.2	1.1	0.3	2.2	81.1	85.4
Israel	189	13.0	2.6	1.7	74.9	7.8	74.9	0.0	2.8	5.1	76.6	79.4
Japan	637	3.4	1.7	1.5	93.5	0.0	93.5	0.0	0.0	0.0	94.2	92.7
Korea	369	2.4	1.8	0.0	95.8	0.0	95.8	0.0	0.0	0.0	92.3	98.7
Kuwait	204	9.4	5.8	7.6	63.8	13.4	63.8	0.0	0.0	13.4	73.4	54.5
Latvia (LSS)	298	6.1	3.5	1.6	81.4	7.4	81.4	0.0	0.2	7.2	82.7	79.8
Lithuania	328	5.2	1.7	2.4	83.0	7.7	83.0	0.0	0.6	7.1	81.6	84.6
Netherlands	250	5.7	2.6	2.5	87.1	2.1	87.1	1.3	0.0	0.8	88.9	85.0
New Zealand	457	6.7	2.6	2.6	86.1	2.0	86.1	0.0	0.0	2.0	87.3	85.1
Norway	408	10.1	6.7	2.0	78.5	2.8	78.5	0.0	0.0	2.8	74.4	83.2
Philippines	746	9.8	17.4	8.8	58.2	5.8	58.2	0.3	0.0	5.5	62.4	52.9
Portugal	431	13.3	2.2	2.3	78.1	4.1	78.1	0.0	0.0	4.1	76.6	79.3
Romania	459	7.2	2.6	1.8	74.2	14.3	74.2	1.0	0.9	12.4	75.6	73.5
Russian Federation	502	1.4	0.9	0.1	92.4	5.2	92.4	0.0	0.9	4.3	92.7	92.0
Scotland	350	8.7	5.4	3.1	80.7	2.2	80.7	0.3	0.4	1.5	76.5	84.2
Singapore	590	0.5	0.3	0.5	98.2	0.6	98.2	0.0	0.1	0.5	99.3	97.6
Slovak Republic	433	6.1	1.3	1.1	88.8	2.6	88.8	0.3	0.2	2.2	85.8	91.5
Slovenia	341	8.2	2.0	0.8	87.4	1.6	87.4	0.0	0.0	1.6	85.4	89.7
South Africa	559	10.4	15.1	7.2	46.2	21.1	46.2	0.0	2.0	19.1	42.9	49.4
Spain	495	11.0	4.1	1.9	78.9	4.1	78.9	0.0	0.2	3.9	78.6	79.3
Sweden	507	6.4	4.1	3.2	84.2	2.1	84.2	0.2	0.4	1.6	83.4	84.6
Switzerland	600	8.7	4.2	1.3	83.7	2.1	83.7	0.5	0.0	1.6	83.1	84.3
Thailand	753	4.5	2.7	1.1	90.1	1.6	90.1	0.0	0.2	1.4	90.9	88.8
United States	878	9.7	4.4	3.0	79.1	3.9	79.1	0.0	0.2	3.7	79.1	79.1
INTERNATIONAL AVG	.	8.0	3.6	2.3	81.2	4.9	81.2	0.2	0.5	4.3	80.9	81.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K15 KEY: D
 Know organic origins of fossil fuels. (Earth Science)
 Difficulty: 526

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	19.6	6.0	11.0	62.2	1.2	62.2	0.0	0.3	0.8	62.6	61.8
Austria	332	5.1	2.2	7.8	83.1	1.9	83.1	0.5	1.0	0.4	79.5	87.4
Belgium (Fl)	362	16.3	4.0	9.1	70.5	0.0	70.5	0.0	0.0	0.0	63.7	77.4
Belgium (Fr)	317	8.6	15.8	18.4	46.6	10.6	46.6	0.3	0.3	10.1	45.6	48.4
Bulgaria	315	16.3	6.0	5.2	67.9	4.6	67.9	0.8	2.7	1.1	66.3	69.3
Canada	1056	11.7	3.4	15.2	69.3	0.5	69.3	0.0	0.1	0.4	69.2	69.0
Colombia	338	24.5	4.7	10.7	51.3	8.8	51.3	0.3	3.2	5.3	47.6	55.8
Cyprus	371	32.4	12.9	20.1	33.5	1.1	33.5	0.2	0.3	0.6	28.5	39.1
Czech Republic	421	31.2	3.1	2.3	60.4	3.0	60.4	0.1	0.5	2.4	51.1	70.1
Denmark	292	30.4	4.5	9.9	46.4	8.8	46.4	0.5	0.4	7.9	38.7	56.2
England	218	4.5	5.0	5.3	84.7	0.5	84.7	0.0	0.0	0.5	81.3	87.9
France	382	12.1	9.0	15.4	61.3	2.1	61.3	0.3	0.5	1.4	61.5	63.0
Germany	355	22.2	4.5	7.4	59.1	6.9	59.1	0.6	0.0	6.3	58.0	61.3
Greece	491	45.6	4.1	19.6	28.5	2.2	28.5	0.3	0.2	1.7	25.2	32.1
Hong Kong	417	7.0	4.3	14.6	73.6	0.5	73.6	0.0	0.3	0.2	66.3	80.0
Hungary	352	31.4	4.0	6.4	55.1	3.1	55.1	0.0	0.9	2.2	47.4	61.9
Iceland	226	33.4	6.2	12.5	46.0	1.9	46.0	0.0	0.0	1.9	53.6	38.5
Iran, Islamic Rep.	463	9.5	7.6	6.0	75.1	1.8	75.1	0.0	0.4	1.4	74.9	74.9
Ireland	385	3.7	3.8	5.1	86.9	0.5	86.9	0.0	0.3	0.2	85.1	88.7
Israel	189	26.8	5.5	9.3	53.5	5.0	53.5	0.0	2.8	2.2	43.0	66.4
Japan	637	31.9	3.0	11.8	53.2	0.0	53.2	0.0	0.0	0.0	44.4	62.0
Korea	369	6.6	1.6	7.9	84.0	0.0	84.0	0.0	0.0	0.0	80.4	86.9
Kuwait	204	18.3	7.7	12.7	55.1	6.2	55.1	0.0	0.7	5.5	61.7	48.7
Latvia (LSS)	298	26.6	3.8	16.2	45.7	7.6	45.7	0.0	0.2	7.4	42.6	49.3
Lithuania	328	42.2	3.9	10.9	33.8	9.3	33.8	0.7	0.6	8.0	29.2	39.0
Netherlands	250	12.7	3.7	11.1	70.8	1.7	70.8	0.0	0.0	1.7	64.6	76.7
New Zealand	457	14.1	8.9	16.2	60.2	0.6	60.2	0.0	0.0	0.6	56.9	63.0
Norway	408	17.6	3.4	8.6	69.4	1.0	69.4	0.0	0.0	1.0	67.6	71.4
Philippines	746	12.1	17.3	14.3	56.0	0.3	56.0	0.0	0.0	0.3	59.6	51.4
Portugal	431	8.7	4.4	7.0	78.4	1.5	78.4	0.0	0.0	1.5	80.3	76.8
Romania	459	13.5	6.4	5.3	70.7	4.2	70.7	0.1	1.3	2.8	77.7	63.7
Russian Federation	502	24.2	2.8	7.8	61.6	3.6	61.6	0.1	1.1	2.4	58.0	66.2
Scotland	350	11.9	7.4	14.4	64.9	1.6	64.9	0.2	0.4	1.0	58.6	70.2
Singapore	590	7.4	1.5	5.6	84.8	0.7	84.8	0.0	0.1	0.6	81.3	88.3
Slovak Republic	433	35.2	1.3	3.1	55.4	4.9	55.4	0.0	0.2	4.7	51.3	59.2
Slovenia	341	9.9	2.5	3.7	81.9	2.1	81.9	0.0	0.0	2.1	79.8	84.4
South Africa	559	22.6	28.9	20.5	23.6	4.4	23.6	0.0	2.4	2.0	23.8	22.2
Spain	495	13.6	6.7	6.2	72.6	1.0	72.6	0.0	0.2	0.8	68.3	77.5
Sweden	507	14.7	7.0	7.3	70.0	1.0	70.0	0.2	0.4	0.5	69.6	71.2
Switzerland	600	26.1	4.4	14.4	52.5	2.6	52.5	0.3	0.0	2.3	50.1	55.1
Thailand	753	30.7	5.7	4.8	57.6	1.3	57.6	0.0	0.2	1.0	57.1	58.3
United States	878	12.1	4.1	11.2	71.0	1.6	71.0	0.0	0.3	1.3	71.2	70.8
INTERNATIONAL AVG	.	19.2	6.0	10.3	61.6	2.9	61.6	0.1	0.5	2.3	59.1	64.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K16 KEY: A
 Identify common product made with bacteria. (Life Science)
 Difficulty: 665

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	41.6	10.7	22.8	23.6	1.3	41.6	0.0	0.3	1.0	42.2	40.9
Austria	332	26.3	30.1	29.1	11.3	3.3	26.3	0.5	1.0	1.8	24.2	29.1
Belgium (Fl)	362	12.8	8.0	38.9	38.8	1.4	12.8	0.0	0.0	1.4	8.4	17.3
Belgium (Fr)	317	24.0	8.2	33.2	23.3	11.3	24.0	0.8	0.7	9.8	23.2	25.4
Bulgaria	315	56.8	5.3	28.7	3.4	5.7	56.8	0.8	2.8	2.1	60.6	53.7
Canada	1056	47.3	12.4	18.7	20.4	1.2	47.3	0.7	0.1	0.3	46.7	48.8
Colombia	338	25.9	9.1	39.1	17.1	8.7	25.9	0.0	3.2	5.5	25.9	26.3
Cyprus	371	34.9	11.0	43.4	9.0	1.7	34.9	0.2	0.3	1.2	36.2	33.3
Czech Republic	421	44.8	16.6	23.9	12.4	2.3	44.8	1.1	0.5	0.7	41.1	48.6
Denmark	292	27.1	8.5	35.8	22.7	5.8	27.1	0.7	0.7	4.4	23.2	31.8
England	218	47.7	10.2	20.1	21.5	0.5	47.7	0.0	0.0	0.5	42.3	52.7
France	382	20.0	16.3	37.5	19.0	7.2	20.0	0.6	0.5	6.1	18.3	20.5
Germany	355	38.1	28.6	23.4	5.7	4.2	38.1	1.2	0.0	3.0	38.6	37.5
Greece	491	24.2	14.5	47.3	11.3	2.6	24.2	0.2	0.2	2.2	21.9	26.6
Hong Kong	417	89.4	4.0	2.9	3.3	0.3	89.4	0.0	0.3	0.0	88.4	90.3
Hungary	352	23.2	23.7	33.3	15.2	4.6	23.2	0.0	0.9	3.7	22.4	23.9
Iceland	226	59.2	12.8	14.0	11.8	2.2	59.2	2.0	0.0	0.2	64.1	54.3
Iran, Islamic Rep.	463	39.6	8.5	36.1	14.3	1.5	39.6	0.0	0.4	1.0	36.5	42.8
Ireland	385	41.1	11.1	22.5	24.5	0.8	41.1	0.0	0.5	0.3	46.1	36.1
Israel	189	16.3	12.1	47.0	17.6	7.0	16.3	0.0	2.8	4.2	14.6	17.0
Japan	637	68.8	4.8	17.8	8.4	0.1	68.8	0.0	0.0	0.1	65.7	71.9
Korea	369	88.2	2.0	6.3	3.6	0.0	88.2	0.0	0.0	0.0	86.7	89.4
Kuwait	204	45.8	12.9	23.8	10.9	6.7	45.8	0.0	0.7	6.0	52.2	39.5
Latvia (LSS)	298	34.6	12.8	42.1	8.4	2.1	34.6	0.0	0.2	1.9	31.6	38.1
Lithuania	328	19.6	18.7	49.9	7.4	4.3	19.6	1.2	0.8	2.3	16.4	23.3
Netherlands	250	46.7	14.8	20.7	15.9	1.8	46.7	0.5	0.0	1.3	41.9	50.7
New Zealand	457	41.4	14.1	23.3	20.1	1.1	41.4	0.2	0.0	0.9	39.1	43.4
Norway	408	26.2	10.6	35.0	25.2	2.9	26.2	0.0	0.0	2.9	23.7	29.0
Philippines	746	46.2	9.9	21.6	21.4	0.8	46.2	0.0	0.0	0.8	47.1	45.3
Portugal	431	26.4	14.8	36.0	18.8	4.1	26.4	0.0	0.0	4.1	23.7	28.7
Romania	459	35.9	5.7	38.4	9.6	10.5	35.9	3.7	1.5	5.3	42.1	29.3
Russian Federation	501	58.2	13.2	17.3	7.2	4.1	58.2	1.1	1.1	2.0	60.1	55.8
Scotland	350	24.6	16.5	24.6	31.6	2.6	24.6	0.6	0.4	1.7	18.0	30.2
Singapore	590	63.6	8.8	18.0	8.6	1.0	63.6	0.0	0.1	0.9	60.7	66.1
Slovak Republic	433	27.9	19.4	34.5	14.6	3.7	27.9	0.9	0.2	2.6	28.4	27.4
Slovenia	341	38.7	27.2	23.1	8.4	2.6	38.7	0.5	0.0	2.1	41.6	35.4
South Africa	559	25.1	21.3	20.3	26.9	6.4	25.1	0.1	2.4	3.9	28.9	20.9
Spain	495	41.0	20.2	23.3	12.9	2.7	41.0	0.0	0.2	2.5	36.8	45.7
Sweden	507	39.5	7.7	38.7	13.6	0.5	39.5	0.0	0.4	0.1	36.1	42.9
Switzerland	600	32.3	13.1	38.2	14.7	1.7	32.3	1.0	0.2	0.5	31.8	32.9
Thailand	753	77.4	9.0	8.6	4.1	0.9	77.4	0.0	0.3	0.5	78.0	76.6
United States	878	41.5	18.3	22.8	15.6	1.7	41.5	0.1	0.4	1.2	41.0	42.2
INTERNATIONAL AVG	.	40.2	13.3	28.1	15.1	3.2	40.2	0.4	0.6	2.2	39.4	41.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K17 KEY: D
 Relate presence of gravitational force to position of falling object. (Physics)
 Difficulty: 571

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	6.8	29.1	6.2	57.0	0.9	57.0	0.0	0.3	0.6	53.9	60.4
Austria	333	4.8	25.6	7.7	60.7	1.3	60.7	0.0	1.0	0.3	60.0	60.1
Belgium (Fl)	362	9.2	24.4	4.4	62.0	0.0	62.0	0.0	0.0	0.0	57.4	66.6
Belgium (Fr)	317	7.1	18.1	17.4	51.8	5.6	51.8	0.3	0.7	4.6	49.6	55.2
Bulgaria	315	14.2	33.1	5.4	41.1	6.1	41.1	0.0	3.0	3.1	48.4	33.8
Canada	1056	5.3	25.3	6.6	62.5	0.3	62.5	0.0	0.1	0.2	61.1	64.4
Colombia	338	9.7	23.8	13.7	47.6	5.3	47.6	0.2	3.5	1.6	49.9	44.9
Cyprus	371	11.4	35.6	16.1	35.6	1.3	35.6	0.0	0.3	1.0	34.3	37.0
Czech Republic	418	1.8	13.4	2.9	81.4	0.5	81.4	0.0	0.5	0.0	79.4	83.3
Denmark	292	8.3	30.1	7.4	51.1	3.1	51.1	0.0	0.7	2.4	49.1	53.5
England	218	4.8	37.0	7.1	51.0	0.0	51.0	0.0	0.0	0.0	47.1	54.7
France	382	6.6	28.2	10.5	50.8	3.9	50.8	0.7	0.5	2.7	46.4	54.6
Germany	355	7.0	26.6	9.3	55.5	1.6	55.5	0.0	0.0	1.6	54.6	57.1
Greece	491	6.7	48.6	13.2	29.8	1.7	29.8	0.2	0.4	1.1	28.0	31.7
Hong Kong	417	3.4	18.6	2.6	74.4	1.1	74.4	0.0	0.3	0.8	72.0	76.5
Hungary	352	3.9	17.8	4.3	72.4	1.6	72.4	0.0	0.9	0.7	66.2	77.9
Iceland	226	16.4	23.8	17.7	40.3	1.8	40.3	0.0	0.0	1.8	37.2	43.3
Iran, Islamic Rep.	463	6.4	25.9	14.8	50.8	2.2	50.8	0.0	0.4	1.8	46.9	54.8
Ireland	385	5.4	29.3	9.3	54.6	1.3	54.6	0.2	0.5	0.6	48.9	60.4
Israel	189	2.9	26.7	6.4	61.2	2.8	61.2	0.0	2.8	0.0	61.0	65.9
Japan	637	6.0	29.9	5.8	58.1	0.1	58.1	0.0	0.1	0.0	51.2	65.0
Korea	369	4.6	14.8	8.2	72.4	0.0	72.4	0.0	0.0	0.0	70.8	73.8
Kuwait	204	4.4	25.0	16.7	49.5	4.4	49.5	0.0	0.7	3.7	56.8	42.4
Latvia (LSS)	298	14.9	17.0	22.5	40.6	5.1	40.6	0.0	0.2	4.9	43.3	37.5
Lithuania	328	6.6	24.7	5.4	60.7	2.7	60.7	0.2	0.8	1.6	58.1	63.7
Netherlands	250	6.1	31.8	4.2	58.0	0.0	58.0	0.0	0.0	0.0	51.8	63.6
New Zealand	457	7.1	32.6	5.5	53.8	1.0	53.8	0.4	0.0	0.6	49.1	58.1
Norway	408	12.6	29.0	8.8	49.2	0.4	49.2	0.0	0.0	0.4	45.0	54.1
Philippines	746	11.0	22.3	12.6	54.2	0.0	54.2	0.0	0.0	0.0	56.2	51.7
Portugal	431	6.0	30.3	10.2	53.1	0.5	53.1	0.0	0.0	0.5	58.5	48.4
Romania	459	9.8	24.6	8.9	50.3	6.5	50.3	0.0	2.1	4.4	49.4	50.5
Russian Federation	502	5.9	40.8	7.2	42.3	3.9	42.3	0.2	1.1	2.7	36.6	49.5
Scotland	350	7.2	34.3	9.5	47.9	1.1	47.9	0.0	0.4	0.7	44.8	50.6
Singapore	590	2.4	34.2	4.3	58.8	0.3	58.8	0.0	0.1	0.2	53.9	63.6
Slovak Republic	433	2.2	19.5	5.3	72.1	0.7	72.1	0.0	0.2	0.6	70.7	73.5
Slovenia	341	4.0	33.0	5.6	56.8	0.6	56.8	0.0	0.0	0.6	60.7	52.4
South Africa	559	14.5	24.6	20.7	36.1	4.1	36.1	0.0	2.6	1.5	36.4	34.8
Spain	495	8.1	29.6	6.3	55.0	0.9	55.0	0.0	0.2	0.7	52.3	58.1
Sweden	507	8.2	25.5	6.0	59.3	1.0	59.3	0.4	0.4	0.2	56.8	60.8
Switzerland	600	7.2	26.6	11.0	52.9	2.3	52.9	0.0	0.2	2.0	49.6	56.5
Thailand	753	5.9	28.4	7.1	57.2	1.3	57.2	0.0	0.3	1.0	56.5	58.6
United States	878	3.3	24.1	7.8	63.9	0.9	63.9	0.0	0.4	0.6	64.6	63.1
INTERNATIONAL AVG	.	7.1	27.2	9.1	54.6	1.9	54.6	0.1	0.6	1.2	53.0	56.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K18 KEY: A
 Identify main function of chloroplasts in plant cell. (Life Science)
 Difficulty: 557

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	54.4	16.3	15.3	11.2	2.8	54.4	0.0	0.3	2.4	57.2	51.3
Austria	333	53.7	15.9	12.6	12.6	5.2	53.7	0.6	1.0	3.6	50.4	55.1
Belgium (Fl)	362	65.2	17.6	10.8	5.2	1.2	65.2	0.0	0.0	1.2	61.0	69.4
Belgium (Fr)	317	48.6	11.8	19.8	9.3	10.4	48.6	0.0	1.1	9.4	46.1	52.5
Bulgaria	315	58.2	8.6	10.9	9.4	13.0	58.2	0.4	3.5	9.1	59.2	56.6
Canada	1056	49.7	21.6	19.1	8.7	0.9	49.7	0.0	0.3	0.6	47.0	52.7
Colombia	338	31.2	17.1	21.1	17.5	13.1	31.2	0.0	4.7	8.4	29.1	32.7
Cyprus	371	52.0	12.6	15.7	16.2	3.4	52.0	0.2	0.3	2.9	53.2	50.7
Czech Republic	418	63.8	13.9	13.6	5.2	3.4	63.8	0.0	0.5	2.9	64.3	63.3
Denmark	292	59.5	7.6	16.2	6.3	10.5	59.5	0.0	0.7	9.7	59.9	59.3
England	218	57.6	11.1	15.7	15.1	0.4	57.6	0.0	0.0	0.4	62.0	53.7
France	382	47.6	14.0	18.4	12.0	8.0	47.6	0.3	0.5	7.2	48.0	47.8
Germany	355	60.1	12.7	9.7	5.0	12.5	60.1	0.4	0.0	12.1	64.0	56.1
Greece	491	51.9	11.4	21.1	9.7	5.9	51.9	0.9	0.5	4.4	49.8	54.2
Hong Kong	417	86.2	3.6	7.6	1.4	1.2	86.2	0.2	0.3	0.7	85.4	86.8
Hungary	352	26.0	22.7	19.0	15.2	17.1	26.0	0.0	0.9	16.2	23.2	28.4
Iceland	226	63.2	10.7	14.5	10.8	0.8	63.2	0.0	0.0	0.8	64.1	62.4
Iran, Islamic Rep.	463	37.7	20.7	19.2	15.6	6.8	37.7	0.2	0.8	5.8	37.2	38.6
Ireland	385	46.8	14.5	16.5	20.3	1.9	46.8	0.0	0.5	1.3	51.3	42.2
Israel	189	41.8	21.2	17.0	8.6	11.4	41.8	0.0	2.8	8.7	39.8	47.7
Japan	637	89.0	3.3	5.9	1.7	0.1	89.0	0.0	0.1	0.0	90.1	88.0
Korea	369	85.7	1.8	10.5	2.0	0.0	85.7	0.0	0.0	0.0	86.6	84.9
Kuwait	204	37.2	23.8	16.4	15.0	7.5	37.2	0.0	0.7	6.8	44.3	30.3
Latvia (LSS)	292	39.2	15.1	16.2	25.3	4.2	39.2	0.0	0.5	3.7	35.0	44.0
Lithuania	328	65.9	10.3	5.6	10.1	8.0	65.9	0.0	1.3	6.7	65.7	66.2
Netherlands	250	71.8	11.2	7.2	8.8	1.0	71.8	0.0	0.0	1.0	75.5	68.1
New Zealand	457	48.0	18.5	22.4	9.6	1.5	48.0	0.0	0.2	1.3	47.3	48.6
Norway	408	42.8	17.7	20.0	16.3	3.2	42.8	0.0	0.0	3.2	41.4	44.3
Philippines	746	49.9	13.9	26.8	9.1	0.3	49.9	0.0	0.0	0.3	53.6	45.3
Portugal	431	38.8	12.2	16.3	24.9	7.8	38.8	0.0	0.0	7.8	38.2	39.4
Romania	459	48.3	11.5	9.0	18.6	12.5	48.3	0.4	2.4	9.6	48.4	48.2
Russian Federation	502	78.6	5.1	4.6	4.5	7.2	78.6	0.0	2.1	5.1	78.7	78.6
Scotland	350	48.6	15.7	17.0	16.4	2.2	48.6	0.3	0.8	1.1	50.1	47.4
Singapore	590	56.6	7.3	16.4	17.4	2.2	56.6	0.0	0.1	2.1	61.0	52.8
Slovak Republic	433	54.5	13.1	19.4	8.5	4.6	54.5	0.0	0.2	4.4	50.3	58.2
Slovenia	341	72.1	5.7	9.1	8.3	4.9	72.1	0.3	0.0	4.5	74.3	69.5
South Africa	560	30.2	15.8	22.5	26.8	4.7	30.2	0.0	2.9	1.8	27.7	33.5
Spain	495	54.3	16.1	16.6	10.5	2.4	54.3	0.0	0.4	2.0	53.1	55.7
Sweden	506	67.1	10.3	13.6	7.5	1.4	67.1	0.0	0.4	1.1	63.6	69.5
Switzerland	600	47.8	18.2	14.1	11.0	8.9	47.8	0.4	0.2	8.3	48.8	46.7
Thailand	753	46.9	10.1	16.3	25.3	1.4	46.9	0.3	0.5	0.7	50.9	41.0
United States	878	53.5	16.9	21.0	6.6	1.9	53.5	0.0	0.4	1.6	53.3	53.9
INTERNATIONAL AVG	.	54.3	13.3	15.3	11.9	5.2	54.3	0.1	0.8	4.3	54.5	54.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K19
 Write an example of how computers are used to do work. (Environment and other content)
 Difficulty: 442

COUNTRY	N	10	11	12	13	14	19	70	71	76	79	90	99	V1	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	31.2	5.7	22.4	2.8	8.2	13.3	0.2	1.1	0.0	6.9	1.0	7.0	83.7	0.6	6.5	87.1	80.0
Austria	333	8.5	14.6	16.9	1.0	15.0	17.7	0.0	1.6	0.0	15.6	1.7	7.3	73.7	1.0	6.3	79.3	68.9
Belgium (Fl)	362	7.3	11.3	50.6	0.7	0.3	16.4	0.0	3.0	0.0	5.2	0.3	4.9	86.6	0.0	4.9	87.4	85.7
Belgium (Fr)	317	0.0	0.0	0.0	0.0	0.0	67.8	0.0	0.0	0.0	14.2	0.0	18.0	67.8	1.1	16.9	69.5	65.9
Bulgaria	315	2.0	14.8	26.9	1.5	1.0	9.7	1.1	0.0	0.0	3.6	2.6	36.8	55.9	4.6	32.2	51.5	60.0
Canada	1056	24.9	7.7	29.5	2.1	9.3	18.9	0.0	0.9	0.1	3.2	0.6	2.7	92.5	0.3	2.4	93.0	91.6
Colombia	338	7.8	5.7	21.8	0.6	3.7	15.0	0.0	1.4	1.0	17.0	0.3	25.5	54.7	9.4	16.1	54.0	56.4
Cyprus	371	4.5	12.8	27.2	1.0	1.6	6.0	0.3	0.0	0.1	15.5	0.0	31.1	53.1	1.5	29.6	54.5	51.5
Czech Republic	418	7.3	5.9	37.8	1.1	7.5	18.3	0.0	3.2	5.3	7.4	0.4	5.9	77.9	0.9	5.0	73.0	82.8
Denmark	292	20.0	11.6	23.2	0.1	13.1	7.5	0.0	5.8	2.7	4.7	0.7	10.6	75.5	1.1	9.5	74.8	75.8
England	218	15.6	12.1	34.8	1.8	9.1	17.6	0.4	1.8	0.0	0.9	0.9	4.9	91.1	0.0	4.9	93.3	89.0
France	382	12.5	14.9	19.1	0.9	7.9	13.4	0.3	6.0	0.0	5.7	2.3	17.0	68.7	0.7	16.3	71.7	65.3
Germany	352	7.9	14.1	25.1	1.1	9.3	17.2	0.0	1.7	1.1	2.8	1.1	18.7	74.7	0.2	18.6	74.9	74.8
Greece	491	6.0	15.0	32.6	0.8	3.9	12.7	0.2	2.9	0.8	6.7	3.7	14.6	71.0	0.9	13.8	70.3	72.0
Hong Kong	417	4.1	11.4	46.8	0.5	3.2	14.9	0.5	1.5	0.0	2.2	1.2	13.6	81.0	0.3	13.3	80.7	81.4
Hungary	352	4.5	5.9	42.7	1.9	0.8	22.4	0.3	4.6	0.5	1.7	2.1	12.4	78.3	1.1	11.3	75.6	80.6
Iceland	226	14.4	16.3	28.9	0.0	9.1	11.6	0.0	3.3	0.0	9.0	3.2	4.2	80.4	0.4	3.8	81.5	79.3
Iran, Islamic Rep.	463	0.5	21.8	6.0	5.0	0.0	17.3	0.1	10.6	0.0	17.3	0.2	21.2	50.6	1.0	20.3	44.9	56.2
Ireland	385	6.7	6.2	51.5	0.3	14.0	11.5	0.0	1.5	0.3	1.6	1.0	5.5	90.1	0.5	4.9	91.2	89.0
Israel	189	5.9	16.1	29.4	1.0	12.2	20.2	0.0	1.1	0.0	0.5	0.4	13.2	84.7	2.8	10.5	87.0	89.8
Japan	637	11.3	10.2	20.8	1.0	12.1	19.6	1.5	8.3	0.5	9.3	0.8	4.6	75.0	0.1	4.5	78.7	71.3
Korea	369	14.5	23.6	30.5	0.5	3.8	14.4	1.1	4.6	0.3	3.6	0.0	3.2	87.2	0.0	3.2	91.2	84.0
Kuwait	204	10.5	9.5	20.8	2.9	4.7	11.1	1.9	1.5	0.0	12.4	0.8	23.8	59.5	1.7	22.1	66.9	52.3
Latvia (LSS)	299	4.4	15.8	20.7	1.9	5.9	6.9	0.4	4.4	2.7	6.5	1.6	28.9	55.6	1.1	27.8	49.1	63.1
Lithuania	328	0.3	10.8	24.4	1.8	11.3	6.5	0.4	1.5	0.3	6.4	8.0	28.4	55.0	1.6	26.8	53.3	57.1
Netherlands	250	11.1	12.0	41.6	0.0	7.5	14.0	0.0	0.0	0.0	11.3	0.4	2.1	86.2	0.0	2.1	89.1	83.6
New Zealand	457	25.2	5.6	26.6	1.8	12.8	16.6	0.2	2.4	0.2	3.8	0.2	4.5	88.7	0.2	4.3	86.9	90.3
Norway	408	13.2	2.9	30.4	0.3	30.1	6.7	0.7	1.7	0.0	1.6	1.6	10.6	83.7	0.0	10.6	82.8	84.8
Philippines	742	8.4	9.7	4.3	2.0	0.0	17.1	0.1	0.3	2.4	30.6	2.4	22.6	41.5	0.0	22.6	46.8	34.9
Portugal	431	7.3	5.9	22.2	1.3	2.8	15.2	0.0	10.1	1.9	11.8	4.2	17.3	54.7	0.4	16.9	55.2	54.4
Romania	459	1.9	38.7	10.4	1.6	1.7	5.5	0.0	2.1	1.3	5.8	0.2	30.8	59.8	4.2	26.6	59.4	60.8
Russian Federation	502	0.5	34.0	15.1	1.2	7.4	11.8	0.2	1.9	0.5	2.4	2.7	22.4	70.0	2.8	19.6	67.9	72.6
Scotland	350	16.2	10.3	36.2	4.2	3.0	15.4	0.0	1.3	0.6	4.9	0.3	7.8	85.3	0.8	7.0	90.0	81.3
Singapore	590	5.0	4.7	62.8	3.2	2.1	16.5	0.0	0.0	0.0	2.6	0.1	3.0	94.3	0.1	2.9	95.0	94.1
Slovak Republic	433	4.5	10.9	23.1	2.3	12.3	25.2	0.0	1.6	2.0	3.7	0.7	13.6	78.3	1.1	12.5	77.7	78.8
Slovenia	341	8.8	24.3	29.2	1.6	9.5	9.1	0.5	1.5	0.8	5.2	2.2	7.2	82.6	0.4	6.8	80.1	85.4
South Africa	559	2.8	2.5	12.3	2.6	0.1	10.5	0.2	1.0	1.2	15.0	2.8	49.0	30.7	3.8	45.2	31.7	29.6
Spain	495	9.0	7.0	40.6	2.6	6.6	9.2	0.2	3.3	0.7	7.6	1.2	11.9	75.1	0.6	11.3	75.5	74.6
Sweden	506	13.8	9.4	29.5	0.6	15.6	13.0	0.0	3.6	0.2	8.0	1.8	4.5	82.0	0.4	4.1	83.5	80.5
Switzerland	600	10.3	13.8	21.3	0.7	14.9	11.6	0.0	3.2	0.0	5.1	2.3	16.8	72.6	1.0	15.7	74.3	70.8
Thailand	753	3.9	7.1	44.9	2.4	4.0	22.4	0.1	1.4	0.2	5.2	1.4	6.9	84.7	0.5	6.4	83.4	86.7
United States	878	18.3	9.5	29.7	2.8	13.0	15.9	0.2	1.0	0.0	4.5	0.7	4.4	89.2	0.5	4.0	92.7	85.3
INTERNATIONAL AVG	.	9.4	12.0	27.9	1.5	7.4	15.3	0.3	2.6	0.7	7.4	1.4	14.3	73.4	1.2	13.1	74.0	73.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: L01 KEY: E
 Select diagram showing forces resulting in rotation. (Physics)
 Difficulty: 600

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	15.7	8.4	12.9	5.1	55.1	2.8	55.1	0.0	0.1	2.7	51.0	59.1
Austria	328	14.8	6.5	11.9	5.1	58.0	3.6	58.0	1.6	0.0	2.1	51.7	63.1
Belgium (Fl)	372	15.2	8.1	12.0	6.6	53.0	5.1	53.0	0.0	0.0	5.1	52.6	53.3
Belgium (Fr)	319	20.3	9.2	11.7	4.5	47.1	7.2	47.1	0.0	0.0	7.2	44.7	50.8
Bulgaria	168	7.8	8.3	3.6	8.3	65.9	6.1	65.9	1.0	0.4	4.6	70.4	59.5
Canada	1046	15.7	7.1	13.6	8.7	53.1	1.8	53.1	0.1	0.1	1.6	52.7	53.8
Colombia	328	27.1	5.4	26.4	7.0	26.5	7.6	26.5	0.0	0.3	7.3	22.5	29.9
Cyprus	378	21.9	11.9	18.6	9.3	36.4	1.9	36.4	0.3	0.0	1.7	33.6	38.9
Czech Republic	418	14.8	3.0	6.6	4.5	68.6	2.6	68.6	0.0	0.0	2.6	56.6	79.0
Denmark	294	16.4	17.7	12.8	4.5	42.6	5.9	42.6	0.0	0.0	5.9	37.0	49.4
England	215	10.9	11.7	10.0	7.3	59.1	1.1	59.1	0.0	0.0	1.1	52.8	65.7
France	385	23.1	6.3	9.7	5.6	50.9	4.4	50.9	0.4	0.0	4.0	41.7	61.1
Germany	371	10.2	6.6	11.8	5.2	57.1	9.1	57.1	0.9	0.0	8.2	49.7	65.8
Greece	504	19.7	11.4	12.3	3.2	49.5	4.0	49.5	0.3	0.0	3.7	42.9	56.2
Hong Kong	415	12.5	15.0	11.5	6.8	52.9	1.2	52.9	0.0	0.0	1.2	45.1	60.0
Hungary	380	5.0	22.6	3.4	11.0	54.1	3.9	54.1	0.0	0.4	3.5	47.5	61.8
Iceland	216	25.2	9.1	15.3	9.0	38.4	3.1	38.4	0.0	0.0	3.1	34.4	42.5
Iran, Islamic Rep.	450	20.0	11.0	17.0	9.3	37.8	5.0	37.8	0.0	0.7	4.3	36.6	39.8
Ireland	385	17.0	11.8	12.9	6.6	50.4	1.3	50.4	0.0	0.0	1.3	45.8	55.3
Israel	186	33.8	12.8	10.8	4.0	33.7	5.0	33.7	0.0	1.0	4.0	27.2	41.6
Japan	645	6.7	4.0	6.6	4.6	77.9	0.1	77.9	0.0	0.0	0.1	78.4	77.4
Korea	365	16.8	5.9	7.1	5.4	64.8	0.0	64.8	0.0	0.0	0.0	53.6	74.4
Kuwait	218	29.1	4.2	25.4	8.6	29.6	3.2	29.6	0.0	1.0	2.3	31.4	27.7
Latvia (LSS)	300	13.4	11.3	11.2	6.6	48.3	9.3	48.3	0.0	0.0	9.3	43.0	54.9
Lithuania	315	18.1	6.5	14.0	3.5	48.6	9.4	48.6	0.0	0.0	9.4	41.4	57.3
Netherlands	253	11.0	8.9	10.2	6.8	60.3	2.7	60.3	0.0	0.9	1.8	54.9	65.9
New Zealand	457	18.5	10.0	12.6	7.7	48.6	2.6	48.6	0.2	0.0	2.3	41.7	55.1
Norway	408	8.1	24.5	12.2	6.3	45.0	3.9	45.0	0.0	0.0	3.9	40.4	49.5
Philippines	753	26.3	12.1	26.7	7.2	27.6	0.1	27.6	0.0	0.0	0.1	26.4	29.1
Portugal	420	33.8	8.8	15.7	5.9	32.1	3.6	32.1	0.0	0.0	3.6	26.5	37.0
Romania	464	16.8	8.9	16.0	5.5	44.6	8.2	44.6	0.9	0.0	7.4	42.3	46.4
Russian Federation	515	21.8	8.9	12.6	2.7	47.8	6.2	47.8	0.0	0.2	6.0	43.6	52.6
Scotland	346	12.1	10.8	15.2	7.9	50.5	3.5	50.5	0.0	0.0	3.5	44.1	55.9
Singapore	565	11.8	8.4	10.2	8.9	58.8	1.8	58.8	0.0	0.0	1.8	53.1	64.4
Slovak Republic	441	13.7	6.5	10.1	4.7	63.4	1.7	63.4	0.2	0.0	1.6	56.4	70.0
Slovenia	354	18.0	11.2	9.0	5.5	55.6	0.8	55.6	0.0	0.0	0.8	45.4	67.2
South Africa	568	16.6	11.0	36.8	11.4	19.3	4.8	19.3	0.4	0.8	3.5	20.9	17.3
Spain	480	20.3	10.4	9.3	5.4	51.9	2.7	51.9	0.0	0.0	2.7	46.5	57.1
Sweden	510	11.0	19.8	13.0	8.0	47.1	1.0	47.1	0.2	0.0	0.8	39.1	55.6
Switzerland	589	13.2	7.9	12.6	8.6	53.3	4.5	53.3	1.0	0.0	3.5	51.6	54.8
Thailand	738	39.3	4.6	18.6	5.0	31.1	1.5	31.1	0.0	0.1	1.3	28.4	36.2
United States	875	18.6	10.3	16.7	8.6	45.0	0.8	45.0	0.0	0.0	0.8	44.5	45.6
INTERNATIONAL AVG	.	17.7	10.0	13.5	6.6	48.6	3.7	48.6	0.2	0.1	3.4	44.1	53.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L02 KEY: B
 Select reason why algae are close to ocean surface. (Life Science)
 Difficulty: 574

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	15.3	57.8	17.1	8.5	1.2	57.8	0.0	0.1	1.0	55.2	60.5
Austria	329	7.0	75.8	8.8	5.3	3.1	75.8	2.5	0.0	0.6	74.2	77.0
Belgium (Fl)	372	3.9	43.3	41.1	10.7	1.0	43.3	0.0	0.0	1.0	42.6	44.1
Belgium (Fr)	319	10.9	59.4	20.6	6.0	3.0	59.4	0.3	0.0	2.7	55.5	63.3
Bulgaria	168	14.3	69.1	7.8	3.1	5.7	69.1	2.9	0.4	2.4	69.0	69.3
Canada	1046	13.9	48.9	26.8	9.0	1.4	48.9	0.0	0.1	1.4	50.5	47.2
Colombia	328	13.6	35.1	23.4	23.7	4.2	35.1	0.0	0.3	3.9	29.5	40.3
Cyprus	378	21.7	35.8	32.3	8.5	1.7	35.8	0.0	0.0	1.7	34.1	37.2
Czech Republic	418	8.0	75.6	11.5	4.5	0.4	75.6	0.0	0.0	0.4	67.9	82.3
Denmark	294	6.0	54.7	22.7	10.5	6.0	54.7	0.4	0.0	5.6	51.2	59.0
England	215	11.4	49.0	27.9	10.2	1.5	49.0	0.0	0.0	1.5	47.3	50.8
France	385	7.6	59.0	21.5	9.7	2.2	59.0	0.3	0.0	1.9	56.6	62.7
Germany	371	14.9	65.4	12.0	2.9	4.8	65.4	1.5	0.0	3.3	60.8	71.4
Greece	504	9.8	60.1	23.3	5.4	1.5	60.1	0.3	0.0	1.2	55.3	64.9
Hong Kong	415	12.6	49.3	29.8	7.7	0.8	49.3	0.2	0.0	0.5	44.2	53.9
Hungary	380	14.3	65.7	14.5	3.8	1.7	65.7	0.0	0.4	1.3	61.2	71.0
Iceland	216	14.0	50.8	30.3	4.5	0.4	50.8	0.4	0.0	0.0	45.6	56.2
Iran, Islamic Rep.	450	25.3	38.7	11.5	20.3	4.2	38.7	0.0	0.7	3.5	35.5	42.5
Ireland	385	14.0	47.4	26.1	11.6	0.9	47.4	0.3	0.0	0.5	35.2	60.6
Israel	186	14.8	46.8	28.4	6.0	4.1	46.8	0.0	1.0	3.1	41.9	54.2
Japan	645	4.9	77.1	15.2	2.0	0.8	77.1	0.5	0.0	0.3	70.8	83.2
Korea	365	4.4	65.1	27.3	3.2	0.0	65.1	0.0	0.0	0.0	59.8	69.7
Kuwait	218	19.4	36.6	23.3	17.2	3.5	36.6	0.0	1.0	2.5	44.1	29.3
Latvia (LSS)	300	21.0	42.3	25.1	8.8	2.8	42.3	0.0	0.0	2.8	40.3	45.0
Lithuania	315	27.2	39.6	22.8	7.7	2.7	39.6	0.3	0.0	2.3	42.1	36.6
Netherlands	253	9.8	48.8	36.3	3.4	1.6	48.8	0.0	0.9	0.7	40.1	57.0
New Zealand	457	15.2	44.7	26.9	10.7	2.5	44.7	0.4	0.0	2.1	41.2	48.1
Norway	408	8.1	55.2	25.3	7.2	4.2	55.2	0.0	0.0	4.2	48.9	61.2
Philippines	753	16.5	18.7	42.8	21.9	0.1	18.7	0.0	0.0	0.1	16.9	20.9
Portugal	420	11.1	49.0	20.9	16.4	2.6	49.0	0.0	0.0	2.6	42.7	54.6
Romania	464	7.2	53.0	19.2	12.2	8.4	53.0	4.5	0.0	3.9	51.4	54.3
Russian Federation	514	14.5	57.4	17.7	7.1	3.3	57.4	0.9	0.2	2.1	53.8	61.5
Scotland	346	17.9	39.2	27.7	13.6	1.7	39.2	0.4	0.0	1.3	34.0	43.0
Singapore	565	11.2	68.6	15.2	4.8	0.2	68.6	0.0	0.0	0.2	63.0	74.1
Slovak Republic	441	20.8	50.2	23.7	4.4	1.0	50.2	0.4	0.0	0.6	46.9	53.3
Slovenia	354	6.5	71.9	15.5	4.1	2.1	71.9	0.4	0.0	1.7	64.0	81.0
South Africa	568	19.2	22.4	26.4	27.6	4.3	22.4	0.3	0.8	3.2	22.4	22.8
Spain	480	12.2	52.9	25.6	8.1	1.2	52.9	0.0	0.0	1.2	43.9	61.7
Sweden	510	11.9	62.1	19.1	5.6	1.3	62.1	0.4	0.0	0.9	60.1	64.3
Switzerland	589	11.9	61.1	19.1	5.4	2.6	61.1	0.8	0.0	1.8	60.1	62.0
Thailand	738	5.7	56.8	29.6	6.6	1.3	56.8	0.0	0.1	1.2	56.6	57.3
United States	875	16.0	58.1	18.0	7.3	0.6	58.1	0.0	0.0	0.5	57.4	58.8
INTERNATIONAL AVG	.	13.0	52.8	22.9	9.0	2.3	52.8	0.4	0.1	1.7	49.4	56.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L03 KEY: D
 Identify skull features typical of predators. (Life Science)
 Difficulty: 471

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	3.5	5.7	6.0	69.7	13.6	1.6	69.7	0.0	0.1	1.5	69.1	70.3
Austria	329	2.1	6.6	1.9	84.5	3.8	1.0	84.5	0.2	0.0	0.8	81.9	86.4
Belgium (Fl)	372	9.4	5.3	3.4	64.1	15.5	2.3	64.1	0.0	0.0	2.3	66.3	61.9
Belgium (Fr)	319	1.9	2.4	5.2	80.2	7.7	2.4	80.2	0.0	0.0	2.4	78.2	84.4
Bulgaria	168	0.0	2.0	6.6	81.4	6.5	3.5	81.4	3.1	0.4	0.0	79.3	84.4
Canada	1046	1.9	3.8	5.0	76.8	11.1	1.4	76.8	0.3	0.1	1.0	75.9	77.8
Colombia	328	2.2	11.3	1.5	63.2	18.4	3.4	63.2	0.0	0.3	3.0	56.6	68.4
Cyprus	378	4.0	7.8	7.1	71.4	8.1	1.5	71.4	0.2	0.0	1.3	70.5	72.3
Czech Republic	418	3.5	2.8	1.2	77.0	14.7	0.8	77.0	0.0	0.0	0.8	74.0	79.7
Denmark	294	6.6	4.0	2.8	67.3	18.2	1.2	67.3	0.3	0.0	0.9	62.4	73.6
England	215	7.9	4.2	6.1	65.5	16.3	0.0	65.5	0.0	0.0	0.0	58.0	73.5
France	385	3.2	2.7	4.3	71.6	16.4	1.8	71.6	0.9	0.0	0.9	73.1	71.8
Germany	371	1.8	4.7	2.2	82.0	5.6	3.8	82.0	1.3	0.0	2.5	77.7	88.3
Greece	504	2.4	6.7	9.9	73.7	6.3	0.8	73.7	0.6	0.0	0.2	73.4	74.1
Hong Kong	414	1.3	7.8	4.3	70.4	16.1	0.0	70.4	0.0	0.0	0.0	68.1	72.3
Hungary	380	1.6	3.5	1.6	83.5	8.6	1.1	83.5	0.0	0.4	0.7	78.8	89.1
Iceland	216	3.5	2.1	2.9	72.7	18.4	0.4	72.7	0.4	0.0	0.0	65.2	80.5
Iran, Islamic Rep.	461	3.3	9.4	14.2	54.4	16.7	2.0	54.4	0.1	0.7	1.2	40.8	66.2
Ireland	385	5.2	7.1	4.6	66.6	16.3	0.3	66.6	0.0	0.0	0.3	65.6	67.7
Israel	186	0.5	2.6	7.1	78.1	8.5	3.3	78.1	0.0	1.0	2.3	73.8	83.2
Japan	645	6.5	4.4	2.2	82.8	3.6	0.4	82.8	0.3	0.0	0.1	83.9	81.8
Korea	365	1.9	4.0	10.3	79.0	4.9	0.0	79.0	0.0	0.0	0.0	72.2	84.9
Kuwait	218	6.4	5.6	11.0	63.6	9.9	3.4	63.6	0.6	1.0	1.8	68.1	59.2
Latvia (LSS)	300	3.8	3.7	2.0	70.8	17.0	2.8	70.8	0.0	0.0	2.8	66.2	75.8
Lithuania	315	2.3	2.9	2.4	62.8	25.0	4.6	62.8	3.7	0.0	0.9	58.0	68.6
Netherlands	253	4.6	10.8	1.8	69.4	11.9	1.4	69.4	0.0	0.9	0.6	66.5	72.5
New Zealand	457	4.7	8.5	8.8	61.6	15.9	0.4	61.6	0.0	0.0	0.4	58.9	64.2
Norway	408	3.5	4.6	3.6	72.4	14.8	1.1	72.4	0.0	0.0	1.1	72.9	72.0
Philippines	753	7.8	16.9	34.8	25.6	14.3	0.5	25.6	0.0	0.0	0.5	24.5	27.1
Portugal	420	2.6	7.5	5.8	64.7	17.9	1.5	64.7	0.0	0.0	1.5	60.2	68.8
Romania	464	3.8	4.2	6.3	68.9	7.3	9.6	68.9	6.0	0.0	3.6	63.9	72.8
Russian Federation	514	2.3	4.7	3.9	71.7	14.3	3.1	71.7	0.5	0.2	2.4	70.0	73.7
Scotland	346	11.3	3.9	3.1	65.3	15.5	0.9	65.3	0.3	0.0	0.6	59.0	70.3
Singapore	565	1.5	3.8	6.1	82.6	5.9	0.1	82.6	0.0	0.0	0.1	80.6	84.7
Slovak Republic	441	2.5	3.3	2.9	77.7	12.2	1.5	77.7	0.6	0.0	0.9	71.8	83.3
Slovenia	354	1.6	3.5	3.5	81.8	8.7	1.1	81.8	0.5	0.0	0.5	80.8	82.7
South Africa	568	12.4	22.8	20.8	31.4	10.4	2.1	31.4	0.1	0.8	1.2	27.6	35.6
Spain	480	1.6	4.8	5.5	67.6	19.6	0.8	67.6	0.0	0.0	0.8	63.8	71.3
Sweden	510	1.1	3.8	2.8	70.5	20.9	0.8	70.5	0.2	0.0	0.6	68.9	72.5
Switzerland	589	1.8	4.1	2.9	81.4	6.3	3.5	81.4	1.7	0.0	1.8	81.9	80.9
Thailand	738	2.2	6.5	3.7	71.2	15.4	0.9	71.2	0.1	0.1	0.7	70.2	73.1
United States	875	3.1	4.9	5.6	75.5	9.3	1.6	75.5	0.2	0.1	1.3	76.2	74.7
INTERNATIONAL AVG	.	3.7	5.8	5.9	70.3	12.6	1.8	70.3	0.5	0.1	1.1	67.5	73.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L04
 Explain most efficient engine. (Physics)
 Difficulty: 688

COUNTRY	N	NOT REACHED																	1.GIRL % Right	2.BOY % Right
		10	11	19	70	71	72	73	74	75	76	79	90	99	V1	ED	OMIT			
Australia	902	12.5	1.3	37.2	9.3	1.4	0.3	0.0	2.4	7.6	2.2	12.3	1.4	12.2	51.0	0.4	11.8	54.4	47.6	
Austria	329	2.3	48.1	11.8	10.1	2.9	0.1	0.0	1.1	3.8	6.8	1.6	3.5	8.0	62.2	0.0	8.0	63.5	61.6	
Belgium (Fl)	372	29.3	5.6	13.6	27.0	2.2	0.0	0.7	4.0	4.5	2.4	5.7	1.6	3.3	48.5	0.0	3.3	50.6	46.5	
Belgium (Fr)	319	0.0	0.0	41.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	20.5	41.5	0.0	20.5	39.9	43.4	
Bulgaria	168	15.0	3.7	0.4	9.0	6.9	0.5	1.1	11.1	5.9	20.1	0.7	1.5	24.1	19.2	0.4	23.6	14.8	25.4	
Canada	1046	30.5	11.2	7.6	20.6	1.4	0.5	0.4	3.9	5.7	4.3	2.9	1.1	9.8	49.3	0.1	9.8	47.7	51.3	
Colombia	328	8.5	0.0	1.3	29.2	3.2	0.8	0.0	6.3	12.3	4.4	12.6	0.5	20.8	9.8	0.7	20.1	11.0	8.6	
Cyprus	378	32.3	0.0	3.2	9.9	2.4	0.2	0.0	2.8	8.6	4.2	4.9	1.3	30.1	35.5	0.0	30.1	33.8	37.0	
Czech Republic	418	29.6	6.1	12.0	17.3	3.1	0.2	0.3	3.5	7.5	6.8	4.3	0.2	9.2	47.7	0.0	9.2	37.5	56.6	
Denmark	294	30.7	2.9	2.1	8.7	3.8	0.0	0.0	1.2	6.7	11.0	4.8	4.5	23.5	35.7	0.0	23.5	32.7	40.2	
England	215	44.6	0.0	6.5	16.7	1.0	1.0	0.0	6.1	3.8	2.3	7.6	2.5	7.9	51.1	0.0	7.9	48.6	53.7	
France	385	18.3	7.1	4.0	28.9	4.6	0.2	0.3	3.2	9.7	3.5	8.7	1.3	10.3	29.4	0.0	10.3	28.9	30.9	
Germany	367	23.5	15.5	2.9	7.0	4.0	0.3	0.4	3.6	3.2	9.2	1.5	1.3	27.6	41.9	0.0	27.6	38.1	48.0	
Greece	504	12.2	6.3	5.7	18.9	5.1	3.5	0.9	7.5	9.2	4.7	3.6	0.6	21.7	24.3	0.0	21.7	21.4	27.2	
Hong Kong	413	0.0	20.5	5.8	15.4	1.8	0.2	0.0	4.2	20.4	4.2	6.4	1.6	19.5	26.2	0.0	19.5	22.8	29.3	
Hungary	380	1.9	25.4	8.8	19.7	2.3	0.5	0.2	16.2	6.1	3.6	3.5	0.2	11.6	36.1	0.4	11.2	36.8	35.2	
Iceland	216	30.6	0.6	1.9	18.7	0.8	1.4	0.0	2.5	20.7	5.9	8.7	2.9	5.3	33.2	0.0	5.3	36.1	30.2	
Iran, Islamic Rep.	461	7.1	6.6	10.8	32.2	6.6	5.7	0.3	8.8	4.2	3.0	1.3	0.0	13.4	24.6	0.8	12.7	25.9	24.4	
Ireland	385	22.9	25.0	6.4	10.5	1.7	0.0	0.0	4.7	9.5	3.3	5.9	2.7	7.3	54.3	0.0	7.3	51.3	57.6	
Israel	186	52.3	1.0	0.0	16.1	1.4	1.1	0.0	3.3	5.4	3.6	2.7	0.0	13.3	53.2	1.0	12.3	48.5	61.0	
Japan	645	33.1	1.0	2.2	20.7	2.1	0.2	0.2	12.0	13.7	3.6	2.8	0.8	7.6	36.4	0.0	7.6	33.2	39.5	
Korea	365	34.0	4.9	7.8	27.5	1.3	1.3	0.2	1.0	9.5	1.3	3.6	0.0	7.6	46.7	0.0	7.6	39.7	52.7	
Kuwait	218	9.3	1.2	8.5	14.1	2.3	1.5	0.0	3.5	8.4	2.5	6.7	4.2	37.8	19.0	1.0	36.8	22.2	15.9	
Latvia (LSS)	300	14.2	1.7	2.5	26.2	6.8	0.0	0.9	4.6	8.7	8.5	3.4	3.4	19.1	18.4	0.0	19.1	14.6	22.8	
Lithuania	315	8.3	0.5	4.0	24.3	6.2	1.2	0.5	4.4	9.6	6.7	6.5	0.9	26.9	12.9	0.0	26.9	12.2	13.7	
Netherlands	253	44.6	3.6	9.7	10.1	1.3	0.4	0.0	2.6	9.6	6.9	0.6	6.0	4.6	57.9	0.9	3.8	50.0	66.1	
New Zealand	457	39.7	3.2	6.4	12.1	1.3	0.2	0.2	6.2	16.5	3.5	4.6	0.7	5.5	49.2	0.0	5.5	50.3	48.2	
Norway	408	13.7	22.8	0.1	15.7	6.4	0.2	0.2	4.6	15.1	8.2	1.7	2.7	8.5	36.6	0.0	8.5	34.3	38.8	
Philippines	753	20.1	0.9	2.8	16.9	1.1	0.4	0.0	11.0	14.2	6.0	9.4	2.4	14.9	23.8	0.0	14.9	25.2	22.1	
Portugal	420	16.7	0.2	4.4	38.2	2.9	1.7	0.2	9.7	11.9	1.3	2.3	0.2	10.2	21.3	0.0	10.2	22.1	20.6	
Romania	464	16.1	1.2	1.7	13.3	4.7	1.6	0.7	2.9	7.9	10.0	4.2	0.0	35.9	19.0	0.0	35.9	16.2	21.2	
Russian Federation	514	15.4	4.5	4.8	13.4	5.9	1.0	0.7	6.7	5.4	6.2	4.0	1.6	30.5	24.6	0.2	30.3	24.1	25.3	
Scotland	346	17.8	10.1	22.8	9.4	1.8	0.8	0.0	5.5	6.0	4.2	8.7	1.6	11.1	50.7	0.0	11.1	52.1	50.3	
Singapore	565	1.2	8.9	38.0	9.1	0.3	0.1	0.0	1.1	7.8	1.7	28.0	0.0	3.7	48.1	0.0	3.7	49.8	46.5	
Slovak Republic	441	20.3	20.8	6.7	18.5	3.5	0.4	0.0	2.4	5.8	7.2	3.4	0.2	10.8	47.8	0.0	10.8	45.0	50.4	
Slovenia	354	39.8	2.6	9.4	13.1	3.2	0.3	1.4	3.5	3.1	6.8	2.3	0.9	13.7	51.9	0.0	13.7	48.1	56.4	
South Africa	568	3.0	1.0	3.6	8.4	6.5	0.9	1.0	2.8	9.0	12.4	14.4	0.9	36.2	7.6	0.8	35.4	8.2	7.2	
Spain	480	19.9	0.2	3.7	31.4	1.3	0.8	0.2	8.0	12.2	4.2	4.7	0.4	13.0	23.8	0.0	13.0	18.3	29.2	
Sweden	510	17.9	18.4	5.3	11.9	3.4	0.3	0.0	0.5	8.1	8.0	8.3	5.4	12.6	41.6	0.0	12.6	42.3	40.6	
Switzerland	589	36.2	5.6	8.3	10.6	4.0	0.2	0.0	1.8	5.5	12.3	5.5	2.5	7.5	50.1	0.0	7.5	49.2	50.9	
Thailand	738	3.9	0.2	1.1	9.0	28.6	2.0	4.2	1.8	0.3	38.0	0.7	1.1	9.2	5.1	0.1	9.1	5.5	4.5	
United States	875	24.1	21.5	2.2	13.6	2.2	0.0	0.3	6.8	7.2	8.4	4.0	1.3	8.6	47.7	0.1	8.5	47.6	47.9	
INTERNATIONAL AVG	.	20.3	7.7	8.1	16.5	3.7	0.8	0.4	4.8	8.3	6.5	6.4	1.6	15.1	36.1	0.2	15.0	34.6	37.8	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: L05 KEY: B
 Select most likely purpose for birds' singing. (Life Science)
 Difficulty: 498

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	15.7	67.8	8.1	6.8	1.6	67.8	0.0	0.4	1.3	67.6	67.9
Austria	329	15.1	64.2	12.9	5.8	1.9	64.2	1.3	0.0	0.6	57.5	69.6
Belgium (Fl)	372	21.4	65.5	7.4	4.6	1.1	65.5	0.0	0.0	1.1	57.7	73.2
Belgium (Fr)	319	3.6	76.2	6.8	10.2	3.3	76.2	0.0	0.0	3.3	73.6	78.3
Bulgaria	168	7.1	69.5	3.0	18.9	1.5	69.5	0.8	0.4	0.3	66.0	74.3
Canada	1046	13.6	67.3	10.1	7.6	1.4	67.3	0.0	0.1	1.4	69.1	66.1
Colombia	328	13.2	50.9	10.2	23.1	2.6	50.9	0.0	1.1	1.5	44.2	58.1
Cyprus	378	6.6	64.2	20.8	7.4	1.0	64.2	0.0	0.0	1.0	62.9	65.4
Czech Republic	418	11.1	70.1	3.4	14.0	1.4	70.1	0.7	0.0	0.7	66.2	73.5
Denmark	294	7.5	75.3	7.8	4.9	4.4	75.3	1.7	0.0	2.7	76.3	74.9
England	215	11.2	67.5	8.8	12.1	0.4	67.5	0.0	0.0	0.4	65.1	70.0
France	385	8.1	73.7	9.1	8.9	0.2	73.7	0.0	0.0	0.2	71.6	76.6
Germany	371	13.0	69.6	8.2	6.1	3.0	69.6	2.0	0.0	1.1	65.9	74.3
Greece	504	5.9	67.9	14.6	11.1	0.5	67.9	0.0	0.0	0.5	64.8	71.0
Hong Kong	412	13.8	38.2	36.1	11.8	0.0	38.2	0.0	0.0	0.0	32.9	43.1
Hungary	380	8.1	75.3	10.2	5.1	1.3	75.3	0.0	0.4	0.9	72.3	78.9
Iceland	216	6.6	79.2	4.9	7.3	2.0	79.2	0.6	0.0	1.4	75.7	82.8
Iran, Islamic Rep.	461	1.8	59.8	9.1	28.1	1.2	59.8	0.0	0.8	0.5	59.3	60.4
Ireland	385	7.7	66.9	11.7	13.4	0.3	66.9	0.0	0.0	0.3	63.6	70.4
Israel	186	13.0	69.0	10.4	5.6	2.0	69.0	0.0	1.0	1.0	69.4	67.1
Japan	645	7.0	85.9	5.2	1.7	0.1	85.9	0.0	0.0	0.1	87.7	84.2
Korea	365	4.1	91.8	3.2	0.9	0.0	91.8	0.0	0.0	0.0	88.6	94.5
Kuwait	218	3.7	68.0	13.8	12.7	1.8	68.0	0.0	1.0	0.8	74.2	62.0
Latvia (LSS)	300	8.3	60.5	12.9	17.9	0.5	60.5	0.0	0.0	0.5	63.2	56.9
Lithuania	315	9.1	60.9	8.1	19.8	2.0	60.9	0.5	0.0	1.5	56.4	66.5
Netherlands	253	19.0	63.4	7.9	7.4	2.3	63.4	0.0	0.9	1.4	58.7	69.4
New Zealand	457	10.3	58.7	18.6	12.1	0.3	58.7	0.0	0.0	0.3	59.0	58.4
Norway	408	4.2	83.6	2.9	6.4	2.9	83.6	0.0	0.0	2.9	87.0	80.4
Philippines	754	13.8	33.2	28.4	24.7	0.0	33.2	0.0	0.0	0.0	31.0	35.8
Portugal	420	16.9	60.6	11.1	9.7	1.8	60.6	0.0	0.0	1.8	56.5	64.3
Romania	464	7.0	59.9	8.3	14.5	10.3	59.9	6.1	0.4	3.8	60.5	59.5
Russian Federation	513	8.1	69.0	7.9	12.6	2.3	69.0	0.4	0.2	1.8	71.9	65.8
Scotland	346	10.2	62.5	15.2	11.8	0.3	62.5	0.3	0.0	0.0	60.5	65.1
Singapore	565	9.1	50.9	29.8	9.2	1.0	50.9	0.0	0.0	1.0	45.3	56.4
Slovak Republic	441	2.8	75.9	6.2	14.8	0.2	75.9	0.2	0.0	0.0	74.4	77.4
Slovenia	354	2.3	78.9	8.0	9.8	1.0	78.9	0.6	0.0	0.4	77.0	81.5
South Africa	568	18.6	30.9	24.6	24.3	1.6	30.9	0.1	0.8	0.7	32.4	29.3
Spain	480	6.4	71.6	12.7	8.7	0.6	71.6	0.0	0.0	0.6	72.2	71.0
Sweden	510	5.3	82.1	6.1	5.8	0.6	82.1	0.4	0.0	0.2	84.2	80.4
Switzerland	589	11.0	69.3	10.6	6.8	2.4	69.3	1.5	0.0	0.8	71.7	67.1
Thailand	738	2.5	71.8	10.5	14.1	1.0	71.8	0.0	0.1	0.9	72.3	70.3
United States	875	17.2	57.7	12.4	11.4	1.3	57.7	0.0	0.1	1.2	55.7	59.8
INTERNATIONAL AVG	.	9.6	66.3	11.4	11.2	1.6	66.3	0.4	0.2	1.0	64.8	67.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L06 KEY: D
 Compare cold-weather activity of warm-blooded and cold-blooded animals. (Life Science)
 Difficulty: 571

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	8.2	21.0	9.4	59.2	2.2	59.2	0.0	0.5	1.7	59.9	58.5
Austria	329	6.3	20.2	13.6	58.6	1.4	58.6	0.4	0.0	0.9	59.7	57.5
Belgium (Fl)	372	8.5	19.4	13.1	58.1	0.9	58.1	0.0	0.0	0.9	60.0	56.1
Belgium (Fr)	319	6.4	18.6	13.1	57.4	4.5	57.4	0.0	0.0	4.5	64.3	50.0
Bulgaria	168	3.8	10.3	4.9	77.1	3.8	77.1	0.0	0.4	3.4	80.1	73.0
Canada	1046	7.9	12.2	10.9	67.9	1.1	67.9	0.0	0.1	1.0	67.1	69.0
Colombia	328	12.1	14.4	23.9	45.3	4.3	45.3	0.0	1.1	3.2	45.1	44.1
Cyprus	378	13.7	43.8	16.0	26.3	0.3	26.3	0.0	0.0	0.3	26.0	26.6
Czech Republic	418	7.2	15.5	15.2	61.8	0.3	61.8	0.0	0.0	0.3	59.1	64.2
Denmark	294	8.1	28.7	19.1	39.9	4.1	39.9	0.0	0.0	4.1	43.8	35.8
England	215	9.9	15.5	9.8	64.8	0.0	64.8	0.0	0.0	0.0	62.0	67.8
France	385	7.2	21.7	9.1	61.5	0.6	61.5	0.3	0.0	0.3	58.5	65.3
Germany	371	6.0	15.5	17.7	54.1	6.7	54.1	0.2	0.0	6.5	55.1	54.2
Greece	504	7.4	57.5	11.4	21.9	1.9	21.9	0.9	0.0	1.0	22.0	21.7
Hong Kong	412	8.9	13.7	6.6	70.7	0.2	70.7	0.0	0.0	0.2	68.2	72.7
Hungary	380	12.0	7.8	8.7	69.8	1.7	69.8	0.0	0.4	1.3	73.0	66.0
Iceland	216	21.3	12.4	19.9	44.7	1.7	44.7	0.4	0.0	1.3	43.3	46.0
Iran, Islamic Rep.	461	14.3	15.9	13.2	55.0	1.7	55.0	0.3	0.8	0.6	50.3	58.4
Ireland	385	16.6	13.1	10.7	59.6	0.0	59.6	0.0	0.0	0.0	57.6	61.7
Israel	186	33.0	15.5	9.4	38.9	3.3	38.9	0.0	1.0	2.3	43.9	34.4
Japan	645	5.1	36.5	8.1	49.5	0.8	49.5	0.4	0.0	0.4	50.6	48.4
Korea	365	6.3	44.7	7.7	41.3	0.0	41.3	0.0	0.0	0.0	37.9	44.2
Kuwait	218	18.9	22.7	21.4	34.2	2.7	34.2	0.0	1.0	1.8	29.9	38.4
Latvia (LSS)	300	6.8	12.2	6.6	71.8	2.7	71.8	0.0	0.0	2.7	75.4	67.3
Lithuania	315	10.8	11.3	6.1	68.2	3.6	68.2	0.2	0.0	3.4	69.4	66.8
Netherlands	253	8.8	13.4	13.0	62.5	2.3	62.5	0.0	0.9	1.4	56.3	68.3
New Zealand	457	11.6	13.1	12.8	61.9	0.6	61.9	0.1	0.0	0.5	55.8	67.6
Norway	408	8.2	28.3	15.9	45.7	1.8	45.7	0.0	0.0	1.8	48.2	43.4
Philippines	754	26.5	22.5	18.6	32.2	0.1	32.2	0.0	0.0	0.1	30.3	34.6
Portugal	420	20.3	28.3	12.2	37.9	1.3	37.9	0.0	0.0	1.3	35.2	40.3
Romania	464	12.7	17.5	6.3	57.5	6.0	57.5	2.2	0.4	3.4	56.2	58.5
Russian Federation	515	5.6	18.9	4.4	66.2	4.8	66.2	0.1	0.3	4.5	68.1	64.0
Scotland	346	12.5	11.8	14.9	59.9	0.9	59.9	0.5	0.0	0.3	52.6	65.6
Singapore	565	13.9	10.3	3.6	72.1	0.1	72.1	0.0	0.0	0.1	66.8	77.4
Slovak Republic	441	12.0	17.8	8.5	59.8	1.9	59.8	0.4	0.0	1.5	58.2	61.3
Slovenia	354	11.9	8.8	13.1	64.1	2.1	64.1	0.0	0.0	2.1	64.2	63.8
South Africa	568	27.6	21.1	19.4	30.0	2.0	30.0	0.1	0.8	1.1	27.7	31.4
Spain	480	8.4	25.2	10.8	55.2	0.5	55.2	0.0	0.0	0.5	55.4	55.0
Sweden	510	9.3	17.2	17.6	54.8	1.1	54.8	0.7	0.0	0.3	56.6	53.1
Switzerland	589	5.2	17.2	16.6	59.8	1.2	59.8	0.2	0.0	1.0	62.3	57.5
Thailand	738	19.8	16.0	9.9	53.3	1.1	53.3	0.0	0.1	0.9	51.4	56.0
United States	875	10.7	14.1	12.2	61.6	1.4	61.6	0.0	0.1	1.3	65.7	57.4
INTERNATIONAL AVG	.	11.7	19.6	12.3	54.6	1.9	54.6	0.2	0.2	1.5	54.1	54.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L07 KEY: D
 Relate sound transmission to air. (Physics)
 Difficulty: 473

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	5.9	6.8	12.1	72.5	2.6	72.5	0.0	0.7	2.0	74.1	71.0
Austria	329	5.0	3.4	9.5	79.9	2.3	79.9	1.7	0.0	0.6	76.5	82.4
Belgium (Fl)	372	9.1	13.0	15.2	61.6	1.2	61.6	0.0	0.0	1.2	51.1	72.0
Belgium (Fr)	319	4.6	11.7	7.3	74.1	2.3	74.1	0.0	0.0	2.3	75.3	73.9
Bulgaria	168	3.0	13.3	4.7	73.6	5.4	73.6	2.4	0.4	2.6	66.5	83.7
Canada	1046	7.5	5.6	13.0	72.0	1.8	72.0	0.0	0.1	1.7	69.8	75.0
Colombia	328	9.3	16.7	16.2	51.8	6.0	51.8	0.0	1.3	4.7	51.1	52.6
Cyprus	378	6.2	17.1	12.9	62.1	1.8	62.1	0.2	0.0	1.5	65.8	58.8
Czech Republic	418	4.1	3.1	15.9	75.6	1.4	75.6	0.0	0.0	1.4	71.4	79.2
Denmark	294	4.8	12.9	21.1	60.1	1.1	60.1	0.1	0.0	1.0	56.8	65.5
England	215	5.7	7.4	10.4	76.0	0.4	76.0	0.0	0.0	0.4	73.2	79.1
France	385	7.2	7.5	12.1	72.0	1.2	72.0	0.7	0.0	0.6	71.6	73.5
Germany	371	7.4	6.2	7.9	73.6	4.8	73.6	0.4	0.2	4.2	67.5	81.2
Greece	504	4.0	6.3	5.5	82.4	1.8	82.4	0.5	0.0	1.3	83.9	80.9
Hong Kong	413	5.8	7.8	5.2	80.5	0.7	80.5	0.0	0.2	0.5	76.5	84.5
Hungary	380	2.2	5.8	7.6	82.2	2.2	82.2	0.0	0.4	1.8	82.3	82.0
Iceland	216	7.2	9.2	15.1	64.8	3.8	64.8	3.3	0.0	0.4	64.6	65.0
Iran, Islamic Rep.	461	13.3	8.4	12.2	64.6	1.5	64.6	0.0	0.8	0.7	57.7	70.4
Ireland	385	4.9	4.8	14.0	74.9	1.4	74.9	0.7	0.0	0.7	70.5	79.7
Israel	186	3.4	8.9	9.0	76.2	2.6	76.2	0.0	1.0	1.6	78.5	75.0
Japan	645	1.0	5.7	2.8	89.9	0.6	89.9	0.1	0.0	0.4	89.0	90.9
Korea	365	1.6	5.4	3.5	89.5	0.0	89.5	0.0	0.0	0.0	86.5	92.1
Kuwait	218	6.8	14.7	11.7	64.2	2.6	64.2	0.0	1.0	1.6	70.7	57.9
Latvia (LSS)	300	2.3	8.5	7.8	79.6	1.9	79.6	0.0	0.0	1.9	78.9	81.2
Lithuania	315	11.5	12.5	7.5	63.5	5.0	63.5	1.5	0.0	3.6	63.2	63.9
Netherlands	253	14.0	15.5	9.0	58.4	3.0	58.4	0.0	0.9	2.2	41.9	75.6
New Zealand	457	7.1	8.0	8.9	74.1	1.9	74.1	0.0	0.0	1.9	69.9	78.0
Norway	408	5.2	8.5	10.2	74.3	1.8	74.3	0.0	0.0	1.8	76.5	72.2
Philippines	754	17.2	18.0	21.9	42.4	0.4	42.4	0.0	0.0	0.4	41.2	44.0
Portugal	420	7.9	10.1	8.8	70.6	2.6	70.6	0.0	0.0	2.6	68.6	72.3
Romania	463	14.0	10.4	13.4	52.7	9.4	52.7	3.2	0.4	5.8	49.9	55.0
Russian Federation	515	5.3	8.7	13.5	69.2	3.4	69.2	0.6	0.3	2.5	69.1	69.2
Scotland	346	4.5	5.7	10.9	77.3	1.6	77.3	0.3	0.0	1.3	72.1	82.1
Singapore	565	4.3	5.8	3.5	85.5	0.8	85.5	0.0	0.0	0.8	80.9	90.0
Slovak Republic	441	3.1	9.5	13.1	73.2	1.1	73.2	0.2	0.0	0.8	73.3	73.2
Slovenia	353	2.6	7.3	13.0	75.9	1.3	75.9	0.3	0.0	1.0	70.2	82.7
South Africa	568	17.8	24.9	22.9	31.5	2.9	31.5	0.2	0.8	1.8	28.3	34.6
Spain	480	6.1	13.7	11.3	68.5	0.3	68.5	0.0	0.0	0.3	60.8	76.0
Sweden	510	7.3	7.3	13.1	71.1	1.2	71.1	0.3	0.0	0.9	69.9	72.1
Switzerland	589	4.4	10.4	6.3	76.4	2.4	76.4	0.3	0.0	2.2	69.2	82.9
Thailand	738	6.0	11.5	11.6	70.1	0.7	70.1	0.0	0.1	0.6	66.5	75.7
United States	875	10.5	9.0	13.5	64.8	2.3	64.8	0.2	0.1	2.0	64.4	65.2
INTERNATIONAL AVG	.	6.7	9.7	11.1	70.3	2.2	70.3	0.4	0.2	1.6	67.8	73.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M10 KEY: D
 Identify substances which are mixtures. (Chemistry)
 Difficulty: 608

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	888	18.2	15.5	18.2	46.6	1.5	46.6	0.0	0.1	1.4	44.3	48.5
Austria	355	8.8	17.5	19.6	51.7	2.4	51.7	0.0	0.0	2.4	53.4	49.5
Belgium (Fl)	356	12.4	8.3	15.4	63.4	0.4	63.4	0.0	0.0	0.4	62.6	64.2
Belgium (Fr)	315	14.9	12.2	15.1	52.6	5.2	52.6	0.3	0.6	4.3	51.6	54.5
Bulgaria	163	5.9	10.6	19.2	61.0	3.4	61.0	1.0	1.3	1.1	64.2	56.7
Canada	1048	15.1	12.7	7.6	64.2	0.4	64.2	0.0	0.1	0.3	61.2	67.8
Colombia	330	38.4	15.0	16.4	21.5	8.7	21.5	0.3	5.7	2.7	25.5	17.2
Cyprus	381	28.6	11.5	27.4	29.6	2.9	29.6	0.7	0.2	2.0	30.2	29.2
Czech Republic	405	5.2	17.0	12.4	63.4	2.0	63.4	1.5	0.0	0.5	69.9	56.9
Denmark	288	17.6	12.4	12.0	55.7	2.4	55.7	1.0	0.3	1.1	60.3	51.5
England	224	13.2	22.9	17.8	44.9	1.3	44.9	0.0	0.0	1.3	45.6	44.1
France	372	12.7	15.9	9.7	59.9	1.8	59.9	0.7	0.0	1.1	55.8	62.1
Germany	360	7.9	14.9	9.9	65.3	2.0	65.3	1.6	0.3	0.2	64.6	66.9
Greece	502	23.4	13.2	36.2	24.9	2.2	24.9	0.7	0.0	1.5	21.9	27.6
Hong Kong	420	13.9	22.0	25.7	36.2	2.2	36.2	0.0	0.5	1.8	33.1	38.9
Hungary	358	5.9	27.8	23.2	41.8	1.3	41.8	0.0	0.6	0.7	41.1	42.4
Iceland	215	24.7	19.2	15.0	40.0	1.1	40.0	0.0	0.9	0.2	41.3	38.8
Iran, Islamic Rep.	458	21.3	15.6	30.4	31.7	1.0	31.7	0.1	0.0	0.9	29.0	33.8
Ireland	379	16.0	21.4	20.4	41.2	1.0	41.2	0.5	0.0	0.5	45.8	37.1
Israel	173	12.7	22.9	22.4	39.0	3.0	39.0	0.0	2.4	0.6	35.5	40.1
Japan	637	9.6	16.4	11.5	62.3	0.1	62.3	0.1	0.0	0.0	62.0	62.6
Korea	365	15.7	19.8	13.7	50.8	0.0	50.8	0.0	0.0	0.0	50.8	50.9
Kuwait	183	19.3	28.5	21.1	27.8	3.3	27.8	0.0	0.8	2.5	32.6	22.5
Latvia (LSS)	294	15.2	16.0	25.3	41.0	2.6	41.0	0.0	0.0	2.6	34.8	46.8
Lithuania	333	9.1	21.8	31.3	33.0	4.8	33.0	0.4	1.4	2.9	37.9	27.7
Netherlands	251	19.4	13.8	15.5	50.4	0.9	50.4	0.0	0.0	0.9	48.6	50.4
New Zealand	466	16.0	17.9	11.4	53.5	1.2	53.5	1.0	0.2	0.0	52.8	54.1
Norway	417	10.2	19.7	15.1	51.5	3.5	51.5	0.0	0.2	3.3	51.1	52.0
Philippines	749	30.6	28.4	15.0	25.4	0.7	25.4	0.0	0.1	0.5	26.0	24.6
Portugal	424	25.3	11.5	16.5	45.7	1.1	45.7	0.0	0.0	1.1	43.5	47.7
Romania	463	11.1	24.4	21.1	33.3	10.2	33.3	5.0	0.7	4.4	33.6	33.0
Russian Federation	499	13.0	16.7	17.1	50.3	2.9	50.3	1.3	0.8	0.8	49.2	51.9
Scotland	368	13.7	27.6	14.3	43.6	0.8	43.6	0.8	0.0	0.0	39.8	47.7
Singapore	568	8.5	11.6	14.4	65.5	0.0	65.5	0.0	0.0	0.0	64.7	66.3
Slovak Republic	442	17.5	17.8	13.3	49.9	1.5	49.9	0.7	0.0	0.9	49.5	50.2
Slovenia	344	8.0	16.5	19.3	54.8	1.4	54.8	1.1	0.0	0.3	55.3	54.0
South Africa	581	34.3	18.9	18.0	23.1	5.7	23.1	1.0	0.4	4.3	23.5	22.5
Spain	482	14.3	13.2	39.2	32.2	1.1	32.2	0.0	0.0	1.1	30.4	34.1
Sweden	520	8.4	23.2	10.2	57.5	0.7	57.5	0.3	0.4	0.0	56.6	58.3
Switzerland	608	10.5	9.1	18.5	59.7	2.2	59.7	0.8	0.0	1.4	58.0	61.4
Thailand	728	33.0	17.6	12.0	36.3	1.1	36.3	0.0	0.1	1.0	36.2	36.7
United States	876	20.4	19.4	18.5	40.9	0.8	40.9	0.0	0.1	0.7	44.1	37.6
INTERNATIONAL AVG	.	16.2	17.6	18.2	45.8	2.2	45.8	0.5	0.4	1.3	45.7	45.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M11
 Complete a food web showing energy relationships. (Life Science)
 Difficulty: 490

COUNTRY	N	10	11	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	888	72.6	0.2	2.3	4.7	13.2	0.6	3.4	3.1	72.8	0.1	3.0	73.0	72.6
Austria	355	73.7	0.2	5.5	3.5	11.6	0.2	4.2	1.1	73.9	0.0	1.1	76.3	70.5
Belgium (Fl)	356	73.8	1.7	2.7	4.3	15.7	0.4	0.0	1.3	75.5	0.0	1.3	75.4	75.6
Belgium (Fr)	315	55.2	0.0	0.0	10.3	18.6	6.7	0.0	9.2	55.2	0.6	8.5	54.2	57.1
Bulgaria	163	41.9	0.0	2.8	30.8	15.0	1.7	0.0	7.8	41.9	1.3	6.5	46.0	36.4
Canada	1048	80.0	0.1	1.3	3.5	12.1	0.6	0.9	1.7	80.0	0.1	1.6	79.1	81.3
Colombia	330	40.6	0.3	3.2	8.9	23.7	8.8	0.0	14.3	41.0	5.7	8.6	38.4	43.0
Cyprus	381	50.3	0.3	4.2	7.5	17.1	11.1	1.3	8.4	50.5	0.2	8.1	54.0	47.5
Czech Republic	405	81.5	1.0	1.0	2.7	11.1	1.0	0.6	1.2	82.5	0.0	1.2	79.1	85.9
Denmark	288	63.0	0.8	3.2	6.3	15.8	1.4	0.0	9.5	63.8	0.3	9.2	60.5	67.0
England	224	80.3	0.8	3.2	1.7	11.4	0.0	0.9	1.8	81.1	0.0	1.8	78.3	83.8
France	372	71.8	0.5	5.6	4.1	14.9	0.1	0.0	3.1	72.2	0.0	3.1	72.3	71.6
Germany	359	68.2	0.4	3.3	6.3	10.7	0.0	1.5	9.7	68.6	0.3	9.4	68.6	69.6
Greece	502	63.7	0.3	4.3	5.3	16.9	0.4	0.6	8.5	64.0	0.0	8.5	64.3	63.7
Hong Kong	419	80.4	0.6	2.3	1.2	8.9	0.0	0.3	6.3	81.0	0.5	5.9	76.5	85.2
Hungary	358	79.7	1.2	0.0	3.2	10.1	2.0	0.6	3.3	80.9	0.6	2.7	78.6	83.0
Iceland	215	51.9	0.6	10.7	9.8	21.4	2.5	1.0	2.1	52.5	0.9	1.2	50.6	54.3
Iran, Islamic Rep.	458	68.1	0.3	0.5	9.4	14.9	3.2	0.4	3.2	68.4	0.0	3.2	66.7	69.7
Ireland	379	82.8	0.0	2.3	4.6	8.0	0.2	1.5	0.5	82.8	0.0	0.5	80.6	84.9
Israel	173	53.1	1.1	6.0	6.6	17.4	1.3	0.0	14.4	54.2	2.4	12.0	53.3	59.6
Japan	637	84.9	0.2	2.8	2.0	7.7	0.0	2.2	0.0	85.2	0.0	0.0	86.8	83.7
Korea	365	90.2	0.9	1.1	3.2	4.0	0.3	0.0	0.3	91.1	0.0	0.3	89.8	92.3
Kuwait	183	42.1	4.2	2.5	8.3	12.8	8.6	2.8	18.6	46.4	0.8	17.8	53.6	38.3
Latvia (LSS)	296	73.4	1.4	2.3	6.4	9.7	0.0	0.7	6.0	74.9	0.0	6.0	72.5	76.9
Lithuania	333	55.6	0.8	4.4	5.5	16.8	0.0	2.5	14.3	56.5	1.4	12.8	58.6	54.2
Netherlands	251	73.7	0.4	2.0	3.7	14.9	0.0	3.6	1.8	74.1	0.0	1.8	72.3	75.9
New Zealand	466	73.3	1.2	2.6	5.6	12.7	1.1	2.4	1.1	74.5	0.2	0.9	73.1	75.7
Norway	417	78.0	0.2	2.1	4.7	10.3	0.3	3.0	1.5	78.2	0.2	1.3	81.7	74.7
Philippines	749	39.4	0.3	6.8	10.1	13.8	7.5	10.0	12.1	39.7	0.1	12.0	41.7	37.1
Portugal	424	65.0	0.4	2.0	6.4	18.6	0.4	0.2	7.0	65.3	0.2	6.8	66.2	64.5
Romania	465	62.9	1.0	1.6	6.8	13.0	1.4	0.2	13.1	63.9	0.9	12.2	63.2	64.8
Russian Federation	500	71.1	1.9	2.3	2.9	11.3	0.1	1.9	8.5	73.0	0.8	7.7	75.8	69.3
Scotland	368	74.0	0.3	3.9	5.9	11.0	0.4	0.6	3.9	74.3	0.0	3.9	72.7	76.2
Singapore	568	92.9	0.6	0.2	1.6	2.4	0.1	1.5	0.7	93.5	0.0	0.7	93.3	93.7
Slovak Republic	442	77.7	0.4	1.9	4.4	11.3	0.5	0.2	3.5	78.1	0.0	3.5	77.8	78.4
Slovenia	345	67.5	2.1	5.9	6.5	12.2	0.6	0.8	4.4	69.6	0.0	4.4	70.1	69.2
South Africa	581	17.6	0.2	4.2	6.4	8.1	27.4	3.8	32.3	17.7	0.4	31.9	14.1	22.0
Spain	482	51.7	0.2	11.9	9.9	23.5	0.6	0.0	2.2	51.9	0.0	2.2	47.7	56.5
Sweden	521	56.5	0.4	4.7	5.0	26.0	0.7	3.0	3.7	56.9	0.4	3.4	58.4	55.0
Switzerland	608	76.3	0.3	2.2	6.3	8.1	0.0	1.2	5.5	76.6	0.0	5.5	78.0	75.2
Thailand	728	78.5	0.2	2.5	1.8	11.6	3.6	0.0	1.9	78.6	0.1	1.8	77.2	80.6
United States	876	71.1	0.1	3.3	3.5	12.6	6.5	0.5	2.4	71.2	0.1	2.3	72.1	70.3
INTERNATIONAL AVG	.	66.8	0.7	3.3	6.0	13.3	2.4	1.4	6.1	67.5	0.4	5.6	67.2	67.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: M12
 Complete table of voltage/current data for circuit. (Physics)
 Difficulty: 571

COUNTRY	N	10	70	79	90	99	V1	NOT REACH		1.GIRL % Right	2.BOY % Right
								ED	OMIT		
Australia	888	56.9	30.6	4.6	0.8	7.1	56.9	0.4	6.7	50.2	63.3
Austria	355	69.0	18.1	5.6	2.9	4.5	69.0	0.2	4.4	68.8	69.0
Belgium (Fl)	356	73.9	15.0	7.8	0.0	3.3	73.9	0.0	3.3	68.1	79.0
Belgium (Fr)	315	63.7	0.0	17.7	0.0	18.5	63.7	0.6	17.9	57.8	69.2
Bulgaria	163	51.9	19.5	10.5	0.0	18.1	51.9	2.1	16.1	46.5	59.1
Canada	1048	51.7	35.4	8.5	0.5	3.9	51.7	0.1	3.9	43.7	59.3
Colombia	330	23.1	40.2	13.9	0.3	22.5	23.1	6.7	15.8	25.1	21.1
Cyprus	381	55.4	20.9	8.1	0.1	15.5	55.4	0.2	15.2	53.9	57.4
Czech Republic	405	59.2	28.6	8.7	0.0	3.6	59.2	0.0	3.6	53.1	65.2
Denmark	288	49.9	27.2	5.8	0.0	17.1	49.9	0.8	16.3	39.3	60.5
England	224	50.8	36.8	10.3	0.4	1.7	50.8	0.0	1.7	42.2	59.2
France	372	69.6	18.0	8.1	0.0	4.3	69.6	0.0	4.3	63.6	75.7
Germany	356	68.5	17.1	3.9	0.0	10.5	68.5	0.4	10.0	67.3	70.3
Greece	502	58.9	23.2	9.9	0.3	7.7	58.9	0.0	7.7	53.5	64.0
Hong Kong	419	72.7	14.5	5.0	0.0	7.8	72.7	0.5	7.3	68.1	77.0
Hungary	358	65.7	15.7	9.7	0.0	8.9	65.7	0.9	8.0	57.6	73.3
Iceland	215	41.2	38.7	7.9	1.2	11.0	41.2	0.9	10.1	33.0	48.8
Iran, Islamic Rep.	458	38.2	32.8	13.0	1.4	14.5	38.2	0.0	14.5	31.5	43.5
Ireland	379	62.2	26.8	7.3	0.2	3.5	62.2	0.0	3.5	54.7	69.0
Israel	173	54.6	23.5	7.4	0.0	14.4	54.6	2.4	12.1	44.7	68.9
Japan	637	72.9	20.3	5.8	0.3	0.8	72.9	0.0	0.8	67.2	78.3
Korea	365	73.1	19.9	5.6	0.0	1.3	73.1	0.0	1.3	65.9	79.5
Kuwait	183	16.8	33.3	23.6	0.0	26.3	16.8	0.8	25.5	11.2	23.0
Latvia (LSS)	296	44.0	29.6	10.5	0.3	15.6	44.0	0.6	15.0	37.8	49.3
Lithuania	333	44.2	21.2	6.1	0.0	28.5	44.2	2.4	26.0	33.0	56.4
Netherlands	251	76.1	16.0	2.0	0.7	5.2	76.1	0.0	5.2	72.8	78.6
New Zealand	465	55.1	30.9	10.6	0.3	3.1	55.1	0.2	2.9	43.9	64.6
Norway	417	48.4	35.2	7.6	1.9	6.8	48.4	0.2	6.6	45.9	51.0
Philippines	749	23.4	44.3	13.0	0.9	18.4	23.4	0.3	18.2	21.9	25.1
Portugal	424	38.3	35.2	14.0	0.2	12.4	38.3	0.2	12.2	28.0	48.0
Romania	464	47.4	20.6	8.1	0.2	23.7	47.4	1.5	22.1	43.2	52.5
Russian Federation	500	55.6	25.3	4.7	0.3	14.1	55.6	0.8	13.3	52.2	60.2
Scotland	368	51.4	34.6	8.2	0.6	5.2	51.4	0.0	5.2	43.0	59.9
Singapore	568	81.1	13.2	4.8	0.0	0.9	81.1	0.5	0.5	75.7	86.9
Slovak Republic	441	54.7	27.6	11.1	0.0	6.5	54.7	0.0	6.5	46.4	63.2
Slovenia	345	64.2	21.4	10.7	0.3	3.4	64.2	0.0	3.4	61.0	67.8
South Africa	581	9.6	31.8	15.3	0.8	42.5	9.6	2.4	40.1	7.8	11.7
Spain	482	38.5	34.6	17.2	0.1	9.5	38.5	0.0	9.5	30.6	47.1
Sweden	520	57.9	23.8	10.4	2.1	5.8	57.9	0.4	5.5	51.9	64.3
Switzerland	608	75.1	15.3	3.5	0.7	5.4	75.1	0.0	5.3	70.7	79.5
Thailand	728	55.5	32.2	7.6	0.0	4.8	55.5	0.3	4.5	56.9	54.2
United States	876	32.7	47.4	9.2	0.3	10.4	32.7	0.1	10.4	26.3	39.3
INTERNATIONAL AVG	.	53.7	26.1	9.1	0.4	10.7	53.7	0.6	10.1	48.0	59.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: M13 KEY: A
 Know if oil-burning reaction absorbs or releases energy. (Chemistry)
 Difficulty: 604

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	888	53.6	13.0	8.4	23.5	1.5	53.6	0.0	0.6	0.9	51.5	55.4
Austria	355	64.0	9.2	9.0	16.1	1.8	64.0	0.0	0.2	1.6	60.3	68.5
Belgium (Fl)	356	42.3	21.1	5.8	30.3	0.4	42.3	0.0	0.0	0.4	42.2	42.4
Belgium (Fr)	315	52.2	9.5	9.0	23.0	6.2	52.2	0.0	0.6	5.6	49.4	55.0
Bulgaria	163	66.7	14.7	3.8	8.7	6.2	66.7	0.0	2.7	3.5	67.1	66.1
Canada	1048	53.1	9.2	7.3	29.6	0.8	53.1	0.0	0.1	0.7	54.6	52.9
Colombia	330	19.9	8.5	8.3	52.4	10.9	19.9	0.0	7.1	3.8	15.6	24.5
Cyprus	381	64.6	12.3	7.3	13.9	1.9	64.6	0.0	0.2	1.7	66.2	63.5
Czech Republic	405	52.2	30.1	3.8	12.8	1.0	52.2	0.5	0.0	0.5	48.8	55.7
Denmark	288	22.9	36.7	7.6	26.6	6.3	22.9	0.1	0.8	5.3	15.2	30.7
England	224	59.2	12.3	4.9	23.0	0.8	59.2	0.0	0.0	0.8	55.4	62.8
France	372	65.5	7.4	5.2	19.2	2.6	65.5	0.1	0.0	2.5	63.0	66.7
Germany	360	64.4	7.6	8.6	13.5	5.8	64.4	0.0	0.4	5.4	56.5	73.2
Greece	502	56.3	9.5	4.2	28.4	1.6	56.3	0.0	0.0	1.6	52.8	59.5
Hong Kong	419	82.1	4.3	5.4	7.1	1.1	82.1	0.0	0.5	0.7	81.0	83.0
Hungary	358	60.5	12.1	2.6	22.7	2.0	60.5	0.0	0.9	1.2	53.4	67.3
Iceland	215	22.5	37.8	8.1	29.2	2.4	22.5	0.0	1.1	1.3	19.9	24.9
Iran, Islamic Rep.	458	64.8	6.5	2.8	25.1	0.9	64.8	0.0	0.0	0.9	56.2	71.5
Ireland	379	61.0	9.3	5.6	23.8	0.3	61.0	0.0	0.0	0.3	55.4	66.1
Israel	173	62.4	16.4	1.1	14.7	5.4	62.4	0.0	2.4	3.0	62.4	66.6
Japan	637	64.3	10.3	4.3	20.5	0.6	64.3	0.3	0.0	0.3	58.2	70.0
Korea	365	70.4	18.0	1.6	10.0	0.0	70.4	0.0	0.0	0.0	64.8	75.4
Kuwait	183	22.5	10.2	11.1	53.4	2.7	22.5	0.0	1.3	1.4	26.1	18.5
Latvia (LSS)	296	33.9	15.7	10.2	34.0	6.2	33.9	0.0	0.6	5.6	27.8	39.1
Lithuania	333	41.7	8.0	8.2	33.2	8.9	41.7	0.0	2.4	6.5	39.7	43.9
Netherlands	251	25.3	38.1	7.2	25.4	4.1	25.3	0.0	0.0	4.1	20.2	30.0
New Zealand	466	49.1	11.7	6.7	31.9	0.6	49.1	0.0	0.2	0.4	43.0	54.3
Norway	417	37.3	31.8	10.0	17.8	3.1	37.3	0.0	0.2	2.9	34.4	40.1
Philippines	749	22.0	12.7	20.3	44.2	0.8	22.0	0.0	0.3	0.5	19.3	25.4
Portugal	424	64.1	10.7	5.0	18.8	1.5	64.1	0.0	0.2	1.3	62.5	65.6
Romania	464	37.6	6.9	7.2	39.9	8.4	37.6	0.6	2.2	5.6	33.8	42.2
Russian Federation	500	56.5	5.3	5.1	27.3	5.8	56.5	0.0	1.0	4.8	55.4	57.9
Scotland	368	55.5	11.1	7.2	25.6	0.6	55.5	0.0	0.0	0.6	49.8	61.5
Singapore	568	69.5	7.5	4.2	18.2	0.6	69.5	0.0	0.5	0.1	67.1	72.1
Slovak Republic	441	42.8	13.5	4.7	35.4	3.6	42.8	0.2	0.0	3.4	41.1	44.4
Slovenia	345	47.8	32.9	6.1	11.6	1.6	47.8	0.0	0.0	1.6	43.2	53.1
South Africa	581	19.1	28.0	14.7	32.9	5.2	19.1	0.5	2.4	2.3	16.8	21.4
Spain	482	72.5	10.9	4.7	11.4	0.5	72.5	0.0	0.0	0.5	73.2	71.6
Sweden	520	53.5	23.5	9.1	13.4	0.5	53.5	0.0	0.4	0.2	42.2	66.0
Switzerland	608	55.7	12.2	11.4	17.4	3.2	55.7	0.1	0.0	3.1	49.0	62.3
Thailand	728	38.6	11.9	3.2	45.4	1.0	38.6	0.0	0.3	0.7	39.4	38.0
United States	876	54.1	11.7	9.5	24.1	0.6	54.1	0.0	0.1	0.5	51.5	56.8
INTERNATIONAL AVG	.	50.6	15.0	6.9	24.6	2.9	50.6	0.1	0.7	2.1	47.3	54.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M14
 Draw reflected image of object. (Physics)
 Difficulty: 454

COUNTRY	N	NOT REACH ED										V1	OMIT	1.GIRL % Right	2.BOY % Right	
		10	11	12	70	71	72	73	79	90	99					
Australia	888	69.9	0.2	0.1	11.7	1.2	12.1	0.4	1.6	0.4	2.4	70.2	0.8	1.6	69.9	70.7
Austria	355	63.8	1.0	3.9	9.1	1.5	14.3	0.8	1.5	0.8	3.2	68.6	0.2	3.1	71.0	66.3
Belgium (Fl)	356	73.9	1.8	0.0	5.2	0.4	11.1	0.4	6.6	0.3	0.3	75.7	0.0	0.3	73.3	77.7
Belgium (Fr)	315	76.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	5.5	76.0	0.6	4.8	73.2	79.7
Bulgaria	163	46.2	11.7	2.0	5.7	1.1	9.1	1.8	10.4	1.5	10.5	60.0	2.7	7.9	57.4	63.3
Canada	1048	73.9	0.4	1.1	8.8	2.1	9.1	0.9	2.3	0.1	1.4	75.3	0.1	1.3	75.0	75.6
Colombia	330	40.5	0.0	2.7	3.1	0.8	26.1	1.5	7.0	0.0	18.2	43.3	8.7	9.5	40.4	46.3
Cyprus	381	47.4	0.0	0.0	10.5	2.8	15.2	0.7	6.2	2.1	15.1	47.4	0.2	14.9	43.9	51.2
Czech Republic	405	69.1	0.6	3.0	12.3	0.8	9.6	2.5	1.2	0.0	0.8	72.7	0.0	0.8	71.6	73.9
Denmark	288	73.4	0.8	0.8	9.1	1.0	5.7	0.1	4.1	0.0	4.9	75.1	0.8	4.0	73.5	76.3
England	224	80.4	1.6	2.1	8.3	0.0	5.7	0.0	1.2	0.7	0.0	84.1	0.0	0.0	87.0	81.3
France	372	75.0	0.0	2.6	10.3	0.4	8.3	0.0	0.7	1.3	1.5	77.6	0.0	1.5	77.9	78.1
Germany	357	63.5	1.9	5.2	12.7	1.0	6.9	0.0	1.7	0.4	6.7	70.6	0.7	5.9	69.0	73.6
Greece	502	58.4	1.2	3.8	4.2	0.4	21.9	1.8	2.5	1.6	4.3	63.4	0.0	4.3	62.1	64.6
Hong Kong	419	78.0	0.3	2.7	7.2	0.5	5.4	0.0	2.4	0.5	3.0	81.0	0.5	2.6	76.6	85.0
Hungary	358	82.5	0.0	2.7	4.4	0.0	5.7	0.3	2.0	0.0	2.4	85.2	0.9	1.5	85.7	84.7
Iceland	215	68.5	0.4	4.5	9.0	0.4	12.4	1.0	1.3	1.0	1.5	73.4	1.1	0.4	73.0	73.7
Iran, Islamic Rep.	458	54.6	1.4	0.9	13.9	0.9	11.8	1.0	5.8	3.8	5.9	56.8	0.0	5.9	53.3	59.7
Ireland	379	56.4	0.0	3.9	11.9	0.2	21.5	1.7	2.7	0.5	1.1	60.3	0.0	1.1	62.5	58.4
Israel	173	72.5	3.0	2.3	6.8	0.6	3.8	0.5	0.0	0.0	10.3	77.9	2.4	7.9	81.1	77.3
Japan	637	83.1	0.1	0.6	7.4	0.6	4.8	0.6	1.7	0.5	0.6	83.8	0.0	0.6	84.6	83.2
Korea	365	79.5	1.3	0.0	8.2	0.9	6.7	0.5	1.0	0.0	1.9	80.8	0.0	1.9	74.2	86.7
Kuwait	183	50.8	1.2	1.3	4.0	1.2	6.0	3.4	10.1	1.8	20.1	53.4	1.3	18.8	62.9	42.9
Latvia (LSS)	296	73.0	0.3	2.3	8.4	0.6	7.7	0.0	1.2	0.7	5.8	75.6	0.6	5.2	72.7	78.1
Lithuania	333	71.6	0.5	4.4	3.3	0.8	10.6	1.5	0.3	0.6	6.6	76.4	2.7	3.9	73.3	79.9
Netherlands	251	73.8	1.6	2.8	9.5	0.4	7.8	0.8	0.8	0.0	2.5	78.3	0.0	2.5	81.8	74.0
New Zealand	466	74.2	0.0	3.9	8.6	0.6	9.2	0.9	1.5	0.0	1.1	78.1	0.2	0.8	72.0	83.2
Norway	417	59.0	0.4	3.5	14.1	0.7	11.4	1.4	7.4	0.7	1.4	62.8	0.2	1.2	68.0	57.7
Philippines	749	51.0	0.3	0.9	2.9	0.7	15.1	0.1	10.8	2.1	16.0	52.2	0.3	15.8	49.6	55.4
Portugal	424	52.9	0.0	3.3	18.2	0.9	16.2	1.4	3.5	0.0	3.6	56.2	0.2	3.4	59.0	53.5
Romania	465	49.9	0.0	1.5	2.4	1.9	21.4	1.0	5.0	0.4	16.6	51.4	2.8	13.8	51.0	52.0
Russian Federation	500	78.2	1.1	1.0	1.0	0.1	11.7	0.6	1.3	3.0	2.1	80.3	1.0	1.1	77.2	84.5
Scotland	368	77.2	0.0	1.2	9.6	0.5	6.2	0.6	2.3	0.2	2.1	78.4	0.0	2.1	80.5	76.3
Singapore	568	84.9	0.0	0.3	8.1	0.2	3.6	1.0	0.6	0.0	1.2	85.2	0.5	0.8	83.9	86.6
Slovak Republic	442	70.5	0.7	4.6	4.9	1.0	14.6	0.7	1.4	0.0	1.6	75.8	0.0	1.6	74.2	77.4
Slovenia	345	68.6	0.8	1.2	9.5	1.7	11.9	0.8	2.6	0.6	2.3	70.6	0.0	2.3	70.0	71.6
South Africa	581	17.4	0.3	3.4	1.5	0.5	6.5	1.4	24.8	1.8	42.4	21.1	2.4	40.0	20.0	22.7
Spain	482	63.5	0.0	2.3	10.3	1.1	14.5	1.0	6.4	0.0	0.9	65.8	0.0	0.9	65.2	66.4
Sweden	520	63.9	0.3	1.2	13.3	0.6	16.9	1.2	1.1	0.0	1.5	65.4	0.4	1.2	64.5	66.2
Switzerland	605	78.2	0.2	3.0	8.7	1.4	6.3	0.4	0.2	0.4	1.3	81.3	0.4	0.9	79.6	83.0
Thailand	728	60.2	0.5	3.8	7.1	0.5	12.0	1.9	8.3	0.3	5.4	64.6	0.3	5.1	61.9	69.4
United States	876	58.9	0.1	2.1	10.2	0.3	16.5	0.8	7.5	0.3	3.3	61.1	0.1	3.2	60.6	61.6
INTERNATIONAL AVG	.	65.8	0.9	2.2	8.0	0.8	10.8	0.9	4.3	0.7	5.7	68.9	0.8	4.9	68.2	69.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: N01 KEY: D
 Determine correct control experiment to test hypothesis. (Environment and other content)
 Difficulty: 624

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	27.9	7.8	7.8	48.1	6.5	1.9	48.1	0.0	0.0	1.8	46.8	49.3
Austria	354	21.9	7.9	4.7	52.4	9.7	3.4	52.4	0.0	0.0	3.4	51.1	52.7
Belgium (Fl)	367	24.8	8.1	11.0	46.9	7.8	1.4	46.9	0.0	0.0	1.4	45.0	48.7
Belgium (Fr)	324	20.1	13.3	10.3	39.7	13.6	3.0	39.7	0.6	0.0	2.4	41.8	38.3
Bulgaria	179	10.5	6.3	2.1	70.9	5.8	4.4	70.9	0.6	0.4	3.5	65.7	76.6
Canada	1044	27.6	4.4	9.0	50.3	7.3	1.4	50.3	0.1	0.0	1.3	50.9	49.8
Colombia	321	30.5	8.1	1.8	43.6	12.1	3.9	43.6	0.0	0.7	3.2	47.3	40.0
Cyprus	385	34.3	5.8	7.4	30.7	16.2	5.6	30.7	0.0	0.3	5.4	29.6	31.9
Czech Republic	401	23.5	6.9	5.6	41.7	20.1	2.3	41.7	0.5	0.0	1.7	37.8	45.5
Denmark	282	36.7	9.7	5.4	36.1	4.4	7.7	36.1	0.4	0.0	7.3	33.6	39.3
England	217	33.1	7.9	7.1	43.6	6.7	1.5	43.6	0.0	0.0	1.5	45.0	42.6
France	360	23.2	8.8	4.8	43.2	18.4	1.5	43.2	0.3	0.0	1.3	46.1	42.1
Germany	356	25.0	8.6	6.0	41.8	13.2	5.4	41.8	0.2	0.6	4.6	48.7	33.2
Greece	499	22.8	6.6	7.2	44.4	14.8	4.2	44.4	0.8	0.0	3.4	46.2	42.8
Hong Kong	420	22.2	7.4	4.0	56.7	9.2	0.5	56.7	0.0	0.0	0.5	54.0	59.0
Hungary	370	31.8	10.8	5.6	30.4	17.6	4.0	30.4	0.0	0.0	4.0	29.0	31.7
Iceland	221	20.7	10.3	6.3	47.1	12.2	3.5	47.1	0.0	0.0	3.5	46.6	47.4
Iran, Islamic Rep.	464	32.0	5.7	8.6	31.0	19.0	3.8	31.0	0.9	0.0	2.9	32.0	30.3
Ireland	384	30.1	10.1	14.4	36.5	7.3	1.6	36.5	0.5	0.0	1.1	33.5	39.8
Israel	162	16.5	4.7	6.6	52.3	12.1	7.7	52.3	0.0	0.8	6.9	49.4	52.0
Japan	646	27.3	8.2	1.9	57.3	4.5	0.8	57.3	0.6	0.0	0.2	58.2	56.5
Korea	365	36.2	10.0	9.7	35.8	8.0	0.3	35.8	0.0	0.0	0.3	34.5	37.0
Kuwait	211	19.2	8.0	4.4	35.6	26.3	6.4	35.6	0.0	0.0	6.4	43.6	28.1
Latvia (LSS)	307	24.4	5.6	2.8	45.1	16.7	5.4	45.1	0.0	0.2	5.2	49.1	41.2
Lithuania	311	30.5	6.7	6.8	26.5	19.9	9.6	26.5	0.3	0.0	9.3	24.9	28.1
Netherlands	259	11.3	7.9	4.9	71.1	3.5	1.3	71.1	0.0	0.0	1.3	68.5	73.5
New Zealand	446	29.3	6.5	7.0	46.7	8.8	1.6	46.7	0.6	0.0	1.0	49.8	43.8
Norway	411	11.1	14.9	9.7	49.6	10.7	4.1	49.6	0.0	0.0	4.1	55.4	44.3
Philippines	760	29.9	4.3	5.8	43.7	15.0	1.3	43.7	0.1	0.3	0.9	43.8	43.5
Portugal	418	25.7	4.4	6.8	49.1	12.6	1.5	49.1	0.0	0.0	1.5	51.3	46.9
Romania	464	21.1	5.6	6.2	35.0	22.5	9.6	35.0	3.1	0.0	6.5	32.7	37.4
Russian Federation	502	23.0	5.9	3.5	35.1	26.6	5.9	35.1	0.8	0.0	5.1	32.6	37.6
Scotland	343	37.1	6.8	7.8	39.5	8.2	0.6	39.5	0.0	0.0	0.6	39.5	39.6
Singapore	576	19.3	2.5	4.7	71.1	2.0	0.4	71.1	0.0	0.0	0.4	74.0	68.3
Slovak Republic	442	28.0	5.0	7.1	43.3	13.6	3.0	43.3	0.2	0.3	2.5	39.9	46.8
Slovenia	329	26.2	7.0	12.9	41.3	10.9	1.7	41.3	0.3	0.0	1.4	44.7	37.7
South Africa	564	24.1	8.0	11.9	32.9	11.2	11.9	32.9	2.2	1.0	8.7	35.4	29.9
Spain	476	21.3	8.0	9.1	49.0	10.3	2.3	49.0	0.0	0.0	2.3	48.8	49.1
Sweden	526	10.5	4.0	4.9	62.5	16.5	1.5	62.5	0.3	0.0	1.2	64.7	60.3
Switzerland	613	18.3	9.4	6.2	51.0	11.5	3.7	51.0	0.5	0.0	3.2	49.9	51.8
Thailand	704	48.3	9.7	5.7	28.6	7.2	0.4	28.6	0.0	0.0	0.4	28.9	28.1
United States	859	29.1	5.7	8.4	47.0	8.3	1.4	47.0	0.2	0.0	1.3	47.0	47.1
INTERNATIONAL AVG	.	25.4	7.5	6.8	44.9	12.1	3.4	44.9	0.3	0.1	3.0	45.2	44.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N02 KEY: B
 Choose meal which would give the most nutrients. (Life Science)
 Difficulty: 648

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	5.1	55.0	27.6	12.0	0.2	55.0	0.0	0.0	0.2	60.5	49.9
Austria	354	10.8	40.5	38.0	9.8	0.9	40.5	0.0	0.0	0.9	46.3	34.8
Belgium (Fl)	367	4.4	58.0	26.4	10.5	0.6	58.0	0.0	0.0	0.6	60.8	55.5
Belgium (Fr)	324	11.7	45.4	31.9	8.8	2.2	45.4	1.1	0.0	1.1	50.1	40.5
Bulgaria	179	20.8	55.6	18.0	4.3	1.4	55.6	0.0	0.4	1.0	53.5	57.8
Canada	1044	3.0	65.5	18.6	11.6	1.3	65.5	0.6	0.0	0.6	73.2	58.6
Colombia	321	16.6	16.9	56.1	9.2	1.2	16.9	0.0	0.7	0.5	16.7	17.5
Cyprus	385	5.7	52.8	29.7	10.7	1.1	52.8	0.5	0.3	0.3	56.4	48.7
Czech Republic	394	11.5	52.5	31.3	3.7	1.1	52.5	0.0	0.0	1.1	59.7	45.6
Denmark	282	10.4	53.5	23.1	10.5	2.6	53.5	1.2	0.0	1.4	63.0	44.0
England	217	15.2	35.4	28.8	20.3	0.4	35.4	0.0	0.0	0.4	33.1	37.2
France	360	19.2	38.0	26.1	15.9	0.9	38.0	0.3	0.0	0.6	44.5	31.0
Germany	356	3.3	46.4	38.0	9.7	2.5	46.4	0.8	0.6	1.1	50.5	41.9
Greece	499	16.0	37.1	23.4	22.4	1.1	37.1	0.6	0.0	0.5	41.7	32.8
Hong Kong	420	7.5	52.7	24.4	15.2	0.2	52.7	0.0	0.0	0.2	57.8	48.5
Hungary	370	15.2	23.1	38.2	19.6	3.9	23.1	0.0	0.0	3.9	27.6	18.7
Iceland	221	3.9	53.3	20.8	20.3	1.7	53.3	0.0	0.0	1.7	58.9	48.8
Iran, Islamic Rep.	464	15.2	28.5	28.0	24.1	4.2	28.5	2.4	0.0	1.8	34.4	24.3
Ireland	384	11.5	37.3	30.9	18.8	1.5	37.3	0.9	0.0	0.6	44.3	29.5
Israel	162	8.9	33.9	46.5	7.8	2.8	33.9	0.0	0.8	2.0	36.7	31.7
Japan	646	5.4	40.6	33.7	20.2	0.1	40.6	0.0	0.0	0.1	42.0	39.4
Korea	365	11.4	54.0	24.9	9.7	0.0	54.0	0.0	0.0	0.0	63.7	45.9
Kuwait	211	18.1	40.5	26.9	10.3	4.2	40.5	0.0	0.0	4.2	50.3	31.3
Latvia (LSS)	308	15.2	29.0	39.8	14.8	1.3	29.0	0.0	0.2	1.1	31.2	26.9
Lithuania	312	9.8	28.5	50.7	8.1	2.9	28.5	1.8	0.4	0.8	30.3	26.7
Netherlands	259	5.6	58.2	29.8	6.4	0.0	58.2	0.0	0.0	0.0	55.5	61.2
New Zealand	446	8.3	44.1	36.1	10.5	1.0	44.1	0.0	0.0	1.0	47.2	41.2
Norway	411	4.2	62.6	8.1	22.2	2.8	62.6	0.0	0.0	2.8	68.6	57.1
Philippines	760	5.5	30.8	55.7	7.6	0.4	30.8	0.1	0.3	0.0	30.0	31.6
Portugal	418	9.6	39.9	30.8	18.6	1.1	39.9	0.0	0.0	1.1	42.3	37.7
Romania	462	24.4	14.7	37.5	14.6	8.8	14.7	6.4	0.0	2.4	14.7	14.6
Russian Federation	502	11.1	23.1	43.0	20.0	2.9	23.1	1.0	0.0	1.9	27.6	18.4
Scotland	343	9.3	35.9	36.2	17.4	1.3	35.9	0.5	0.0	0.8	41.2	30.6
Singapore	576	6.3	65.6	13.1	14.8	0.2	65.6	0.0	0.0	0.2	73.3	58.5
Slovak Republic	442	8.3	32.1	50.9	7.9	0.7	32.1	0.5	0.3	0.0	33.6	30.6
Slovenia	329	23.4	32.3	30.8	11.8	1.6	32.3	0.3	0.0	1.3	37.0	27.4
South Africa	564	12.5	19.6	49.7	15.6	2.6	19.6	0.5	1.0	1.1	19.4	19.5
Spain	476	11.9	27.4	39.9	19.5	1.3	27.4	0.0	0.0	1.3	32.4	23.3
Sweden	526	7.9	51.4	25.0	15.1	0.6	51.4	0.3	0.0	0.4	53.5	49.6
Switzerland	613	16.7	36.1	38.5	8.0	0.7	36.1	0.1	0.0	0.5	40.8	32.7
Thailand	704	7.9	65.1	11.7	15.0	0.3	65.1	0.0	0.0	0.3	64.5	65.2
United States	859	2.0	59.3	27.2	11.2	0.3	59.3	0.2	0.0	0.2	62.8	55.8
INTERNATIONAL AVG	.	10.7	42.2	32.0	13.4	1.6	42.2	0.5	0.1	1.0	46.0	38.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N03 KEY: C

Select conclusion shown from experiment comparing liquid evaporation rates. (Environment and other content)

Difficulty: 526

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	5.1	19.0	70.5	2.5	1.9	1.0	70.5	0.0	0.0	1.0	69.9	71.1
Austria	354	3.9	28.5	58.3	3.6	2.9	2.8	58.3	0.0	0.0	2.8	52.3	64.4
Belgium (Fl)	367	8.6	13.3	75.8	1.1	0.8	0.4	75.8	0.0	0.0	0.4	70.3	80.9
Belgium (Fr)	324	3.7	12.8	77.4	1.6	3.3	1.1	77.4	0.9	0.0	0.1	78.7	76.7
Bulgaria	179	2.3	8.1	83.6	0.4	1.9	3.7	83.6	0.7	0.4	2.6	81.1	86.3
Canada	1044	4.4	13.4	78.2	1.0	2.0	1.0	78.2	0.2	0.0	0.8	80.1	76.8
Colombia	321	5.7	43.3	42.3	4.0	3.7	1.1	42.3	0.0	0.7	0.4	41.8	43.5
Cyprus	385	4.9	17.5	65.1	7.1	3.3	2.2	65.1	0.2	0.3	1.7	71.2	58.1
Czech Republic	394	3.3	32.5	58.7	1.0	3.3	1.3	58.7	0.2	0.0	1.0	46.9	69.8
Denmark	282	5.4	22.5	60.8	2.6	1.6	7.0	60.8	3.1	0.0	4.0	61.9	60.3
England	217	4.7	18.7	71.5	2.6	0.7	1.8	71.5	0.0	0.0	1.8	66.7	75.1
France	360	4.4	12.9	75.0	3.4	2.4	1.9	75.0	1.4	0.0	0.4	76.1	75.5
Germany	356	4.3	25.2	60.1	3.8	2.3	4.3	60.1	2.5	0.6	1.2	61.3	59.2
Greece	499	7.5	25.2	56.5	6.2	2.6	1.9	56.5	0.4	0.0	1.6	55.5	57.4
Hong Kong	420	7.7	14.8	67.6	5.5	3.9	0.5	67.6	0.2	0.0	0.2	65.0	69.7
Hungary	370	11.3	2.8	67.6	2.3	11.5	4.5	67.6	0.0	0.0	4.5	66.2	68.9
Iceland	221	4.6	27.3	56.4	4.7	5.8	1.2	56.4	0.2	0.0	1.0	51.8	60.1
Iran, Islamic Rep.	464	8.9	12.0	66.9	4.8	5.0	2.4	66.9	2.1	0.0	0.3	59.1	72.4
Ireland	384	4.9	16.6	73.7	2.5	1.3	0.9	73.7	0.3	0.0	0.7	73.5	74.0
Israel	162	5.6	21.6	64.4	2.5	1.9	4.1	64.4	0.0	0.8	3.2	55.5	76.8
Japan	646	6.5	56.8	29.7	2.5	4.3	0.3	29.7	0.2	0.0	0.1	30.7	28.7
Korea	365	3.5	14.6	78.8	1.8	1.3	0.0	78.8	0.0	0.0	0.0	77.5	79.9
Kuwait	211	5.4	41.7	28.1	5.7	15.6	3.4	28.1	0.0	0.0	3.4	29.4	27.0
Latvia (LSS)	308	9.9	14.2	69.1	1.5	3.2	2.1	69.1	0.0	0.2	1.9	64.0	73.9
Lithuania	312	5.7	28.1	58.1	2.8	2.1	3.1	58.1	0.6	0.4	2.1	53.2	63.0
Netherlands	259	4.8	11.0	77.0	3.5	3.7	0.0	77.0	0.0	0.0	0.0	74.8	78.6
New Zealand	446	4.1	21.5	68.0	3.2	1.7	1.5	68.0	0.3	0.0	1.2	63.5	72.3
Norway	411	8.1	23.8	57.2	3.1	5.5	2.3	57.2	0.0	0.0	2.3	55.7	58.6
Philippines	760	11.8	28.3	42.2	10.3	7.0	0.4	42.2	0.0	0.3	0.1	42.6	41.7
Portugal	418	3.1	35.8	54.0	5.2	1.5	0.5	54.0	0.0	0.0	0.5	48.9	59.0
Romania	464	8.3	19.3	52.7	4.7	6.1	8.9	52.7	5.6	0.0	3.3	54.1	51.4
Russian Federation	502	5.0	25.3	58.9	6.2	1.7	2.8	58.9	0.6	0.0	2.2	56.3	61.5
Scotland	343	4.4	17.1	72.4	3.3	1.1	1.7	72.4	0.6	0.0	1.1	74.0	70.7
Singapore	576	3.8	14.1	79.9	1.4	0.4	0.3	79.9	0.0	0.0	0.3	79.4	80.3
Slovak Republic	442	6.6	35.6	49.6	2.9	1.3	4.1	49.6	1.3	0.3	2.6	48.3	51.0
Slovenia	328	6.8	9.2	77.3	3.4	2.0	1.4	77.3	0.3	0.0	1.0	73.7	81.2
South Africa	564	13.9	33.2	25.3	11.2	13.1	3.3	25.3	0.6	1.0	1.7	25.5	23.6
Spain	476	5.0	29.4	60.0	1.6	2.4	1.6	60.0	0.0	0.0	1.6	58.8	60.9
Sweden	526	5.6	24.9	60.7	3.7	3.8	1.3	60.7	0.6	0.0	0.7	51.5	69.6
Switzerland	613	5.9	29.4	52.3	4.5	3.8	4.0	52.3	3.0	0.0	1.0	43.0	59.2
Thailand	704	12.5	32.1	45.1	6.5	2.7	1.1	45.1	0.0	0.0	1.1	43.2	48.7
United States	859	8.6	10.8	75.3	3.8	1.0	0.5	75.3	0.0	0.0	0.5	77.2	73.4
INTERNATIONAL AVG	.	6.2	22.5	62.0	3.7	3.5	2.1	62.0	0.6	0.1	1.4	59.8	64.1

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: N04 KEY: B
 Identify how decaying fish fertilize plants. (Life Science)
 Difficulty: 584

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	3.3	52.8	37.7	2.1	2.8	1.4	52.8	0.0	0.0	1.4	50.7	54.7
Austria	354	3.1	25.3	57.7	6.3	6.0	1.6	25.3	0.0	0.0	1.6	23.4	26.9
Belgium (Fl)	367	20.9	47.7	23.9	3.6	1.7	2.2	47.7	0.0	0.0	2.2	50.6	45.0
Belgium (Fr)	324	3.9	46.2	33.5	5.7	7.1	3.5	46.2	1.1	0.0	2.4	42.9	49.5
Bulgaria	179	7.8	62.9	16.7	5.5	3.4	3.7	62.9	0.6	0.8	2.3	60.3	65.7
Canada	1044	4.2	51.8	36.2	3.1	3.4	1.4	51.8	0.1	0.0	1.3	53.8	49.9
Colombia	321	15.4	39.6	29.1	6.7	6.4	2.8	39.6	0.7	0.7	1.4	33.2	46.0
Cyprus	385	10.4	36.9	39.3	3.4	6.7	3.2	36.9	0.6	0.3	2.3	40.9	32.3
Czech Republic	394	9.9	53.8	29.6	2.1	3.1	1.5	53.8	0.0	0.0	1.5	54.2	53.4
Denmark	282	9.1	35.1	31.7	12.0	4.5	7.7	35.1	2.8	0.0	4.9	34.7	35.6
England	217	3.8	48.5	34.7	7.5	5.0	0.5	48.5	0.0	0.0	0.5	45.2	51.0
France	360	5.1	60.9	24.5	4.0	3.3	2.2	60.9	0.6	0.0	1.6	61.4	62.5
Germany	356	4.7	40.9	42.7	3.6	1.2	6.8	40.9	1.4	0.6	4.8	36.4	45.9
Greece	499	7.0	72.4	13.5	2.5	3.1	1.5	72.4	0.3	0.0	1.1	70.2	74.4
Hong Kong	420	8.3	67.4	20.1	1.7	1.8	0.7	67.4	0.2	0.0	0.5	69.1	66.0
Hungary	370	4.1	80.1	10.7	0.5	1.7	3.0	80.1	0.0	0.0	3.0	82.9	77.3
Iceland	221	14.6	43.6	28.9	8.0	3.9	1.0	43.6	0.0	0.0	1.0	39.0	47.3
Iran, Islamic Rep.	464	8.4	47.1	32.6	4.9	7.0	0.1	47.1	0.0	0.0	0.1	41.9	50.7
Ireland	384	5.0	50.0	33.8	3.5	5.3	2.5	50.0	1.3	0.0	1.1	50.8	49.0
Israel	162	10.4	54.3	16.6	5.1	7.9	5.8	54.3	0.0	0.8	4.9	50.9	53.7
Japan	646	13.1	42.6	42.3	0.5	1.0	0.5	42.6	0.0	0.0	0.5	42.4	42.8
Korea	365	6.4	77.3	14.1	1.9	0.2	0.0	77.3	0.0	0.0	0.0	80.3	74.8
Kuwait	211	14.7	15.1	56.2	6.8	5.7	1.5	15.1	0.0	0.0	1.5	13.7	16.5
Latvia (LSS)	308	3.4	67.4	21.0	3.5	1.5	3.1	67.4	0.0	0.4	2.7	64.9	69.9
Lithuania	312	3.0	47.6	38.2	3.1	2.1	6.0	47.6	0.6	0.4	5.0	38.5	56.9
Netherlands	259	12.3	52.9	27.7	5.1	2.0	0.0	52.9	0.0	0.0	0.0	57.6	47.6
New Zealand	446	3.6	49.5	35.0	4.5	5.1	2.2	49.5	0.6	0.0	1.6	46.9	52.0
Norway	410	10.5	44.0	32.6	4.8	4.9	3.2	44.0	0.0	0.0	3.2	43.1	44.8
Philippines	760	11.6	45.4	15.8	11.7	13.7	1.8	45.4	0.1	0.3	1.4	48.4	42.0
Portugal	417	9.8	51.3	23.4	5.2	8.1	2.2	51.3	0.0	0.0	2.2	45.8	56.6
Romania	464	5.4	49.0	27.0	2.1	6.4	10.1	49.0	5.4	0.0	4.7	48.1	50.0
Russian Federation	502	3.9	66.5	23.0	1.4	2.4	2.8	66.5	0.9	0.0	1.9	63.4	69.7
Scotland	343	6.1	41.5	38.0	6.1	6.1	2.3	41.5	0.3	0.0	2.0	40.4	42.6
Singapore	576	1.1	88.3	9.5	0.7	0.1	0.4	88.3	0.0	0.0	0.4	89.3	87.3
Slovak Republic	442	11.2	39.3	40.3	2.2	3.8	3.1	39.3	0.2	0.3	2.6	39.2	39.5
Slovenia	328	8.1	51.2	31.9	3.6	2.6	2.8	51.2	0.9	0.0	1.8	51.4	51.0
South Africa	564	8.6	23.8	15.8	13.7	33.4	4.6	23.8	0.6	1.0	3.0	20.6	26.2
Spain	476	4.9	46.4	36.4	3.1	6.3	2.9	46.4	0.0	0.0	2.9	38.1	53.2
Sweden	526	9.7	40.5	39.1	6.9	2.7	1.2	40.5	0.2	0.0	1.1	40.2	41.0
Switzerland	613	7.0	43.0	33.6	5.1	7.4	3.9	43.0	1.5	0.0	2.4	44.3	42.0
Thailand	704	1.6	77.4	17.5	1.2	1.2	1.1	77.4	0.0	0.0	1.1	74.4	83.0
United States	859	3.8	51.0	36.5	4.1	3.9	0.7	51.0	0.0	0.0	0.7	49.2	52.9
INTERNATIONAL AVG	.	7.6	50.7	29.7	4.5	4.9	2.6	50.7	0.5	0.1	2.0	49.4	51.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N05 KEY: C
 Identify a principal cause of acid rain. (Environment and other content)
 Difficulty: 704

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	19.1	31.0	41.9	7.1	0.9	41.9	0.0	0.0	0.9	34.7	48.6
Austria	354	22.4	9.7	54.6	11.2	2.1	54.6	0.0	0.0	2.1	52.4	55.9
Belgium (Fl)	367	39.3	22.7	29.5	7.3	1.2	29.5	0.0	0.0	1.2	17.5	40.7
Belgium (Fr)	.	.	.	.	.	.	.	.	.	.	.	.
Bulgaria	179	12.6	30.3	47.3	3.9	5.9	47.3	0.5	0.8	4.7	43.7	51.2
Canada	1044	31.2	29.7	31.2	6.4	1.5	31.2	0.0	0.0	1.5	27.1	35.0
Colombia	321	23.7	34.3	30.7	9.0	2.3	30.7	0.2	0.7	1.4	26.1	35.5
Cyprus	385	24.9	46.8	22.9	3.0	2.4	22.9	0.7	0.3	1.4	19.4	26.9
Czech Republic	394	18.2	21.7	45.1	12.4	2.6	45.1	0.3	0.0	2.3	36.9	52.8
Denmark	282	16.0	35.9	26.9	13.3	7.9	26.9	1.7	0.0	6.2	24.0	29.2
England	217	15.5	28.4	43.9	11.6	0.6	43.9	0.0	0.0	0.6	39.9	46.8
France	.	.	.	.	.	.	.	.	.	.	.	.
Germany	356	23.4	14.4	40.0	13.9	8.3	40.0	1.7	0.6	6.1	34.5	46.0
Greece	499	24.6	45.3	21.2	3.3	5.5	21.2	0.3	0.0	5.2	19.7	22.6
Hong Kong	419	29.6	26.3	37.7	6.2	0.2	37.7	0.0	0.0	0.2	40.8	35.1
Hungary	370	27.7	24.8	40.6	3.7	3.3	40.6	0.0	0.0	3.3	41.6	39.6
Iceland	221	15.4	42.7	35.0	5.8	1.1	35.0	0.0	0.0	1.1	32.6	36.9
Iran, Islamic Rep.	464	40.5	31.0	23.3	4.1	1.1	23.3	0.0	0.0	1.1	23.8	22.9
Ireland	384	9.1	31.4	43.4	14.3	1.8	43.4	0.5	0.0	1.3	43.7	43.1
Israel	162	20.4	38.5	30.4	6.2	4.5	30.4	0.0	0.8	3.6	23.4	37.7
Japan	646	24.9	17.7	45.9	11.3	0.2	45.9	0.0	0.0	0.2	45.8	46.0
Korea	365	20.6	23.8	50.4	5.3	0.0	50.4	0.0	0.0	0.0	48.3	52.1
Kuwait	211	15.3	24.2	46.1	9.2	5.2	46.1	0.0	0.0	5.2	50.1	42.4
Latvia (LSS)	309	28.0	35.1	24.7	7.7	4.5	24.7	0.0	0.4	4.1	22.3	27.1
Lithuania	312	38.3	14.8	23.5	11.0	12.3	23.5	1.5	0.4	10.5	21.7	25.3
Netherlands	259	30.5	10.4	44.0	14.7	0.4	44.0	0.0	0.0	0.4	48.6	39.3
New Zealand	446	19.8	39.3	30.8	9.3	0.8	30.8	0.0	0.0	0.8	26.0	35.2
Norway	411	27.9	28.4	31.0	10.4	2.3	31.0	0.0	0.0	2.3	29.9	32.0
Philippines	759	24.5	30.7	28.2	15.4	1.2	28.2	0.1	0.3	0.8	26.4	30.2
Portugal	418	35.1	24.0	32.5	6.7	1.7	32.5	0.0	0.0	1.7	34.2	30.8
Romania	463	25.0	31.4	26.1	8.0	9.5	26.1	6.0	0.0	3.5	26.9	25.3
Russian Federation	502	33.2	37.3	21.0	4.8	3.6	21.0	0.8	0.0	2.8	21.2	20.8
Scotland	343	21.9	30.6	32.4	13.3	1.8	32.4	0.5	0.0	1.3	26.2	38.6
Singapore	576	20.0	44.5	30.7	4.3	0.5	30.7	0.0	0.0	0.5	30.5	30.8
Slovak Republic	442	16.8	53.3	14.2	11.8	3.9	14.2	1.0	0.3	2.7	14.5	13.8
Slovenia	328	15.2	18.7	55.2	7.9	3.0	55.2	0.7	0.0	2.3	53.2	57.3
South Africa	564	25.9	39.6	22.0	9.6	2.9	22.0	0.3	1.0	1.6	19.3	24.5
Spain	476	35.4	19.6	34.3	8.1	2.5	34.3	0.0	0.0	2.5	32.6	35.7
Sweden	526	30.6	20.3	31.3	16.1	1.6	31.3	0.4	0.0	1.2	24.0	38.6
Switzerland	613	18.6	21.1	39.0	17.9	3.4	39.0	0.7	0.0	2.6	34.3	42.5
Thailand	704	17.8	16.6	61.6	3.3	0.8	61.6	0.0	0.0	0.8	60.1	64.8
United States	859	21.5	36.9	31.8	8.0	1.8	31.8	0.2	0.0	1.6	26.3	37.4
INTERNATIONAL AVG	.	24.0	29.1	35.1	8.9	2.9	35.1	0.5	0.1	2.3	32.6	37.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N06 KEY: A
 Identify the most basic unit of living things. (Life Science)
 Difficulty: 503

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	68.4	14.7	2.7	12.8	1.4	68.4	0.0	0.0	1.4	68.3	68.5
Austria	354	66.1	16.5	2.4	12.8	2.2	66.1	0.0	0.0	2.2	62.7	70.2
Belgium (Fl)	367	61.5	24.0	5.2	8.2	1.1	61.5	0.0	0.0	1.1	55.8	66.9
Belgium (Fr)	324	46.2	23.9	4.3	21.2	4.5	46.2	0.7	0.0	3.8	45.0	47.1
Bulgaria	179	84.4	7.4	2.9	2.5	2.8	84.4	0.6	0.8	1.5	85.9	82.7
Canada	1044	68.1	13.4	3.6	13.2	1.7	68.1	0.0	0.6	1.0	68.1	68.3
Colombia	321	75.1	4.6	2.8	14.8	2.6	75.1	0.0	1.0	1.6	74.3	76.2
Cyprus	385	63.9	15.1	3.7	15.2	2.1	63.9	0.3	0.3	1.6	61.8	66.4
Czech Republic	394	81.1	7.5	4.5	6.0	0.9	81.1	0.0	0.0	0.9	80.1	82.0
Denmark	282	63.7	5.5	21.8	6.2	2.7	63.7	0.4	0.3	2.0	58.1	70.3
England	217	59.3	20.6	4.4	15.3	0.4	59.3	0.0	0.0	0.4	52.2	64.7
France	360	35.1	38.0	3.0	22.9	0.9	35.1	0.0	0.3	0.6	35.9	35.6
Germany	356	59.8	14.4	5.0	15.5	5.3	59.8	1.6	0.6	3.2	58.4	62.1
Greece	499	62.9	10.1	5.6	19.0	2.4	62.9	0.0	0.0	2.4	60.4	65.2
Hong Kong	419	82.6	4.9	6.3	6.1	0.0	82.6	0.0	0.0	0.0	78.7	85.9
Hungary	370	72.8	10.8	6.5	7.2	2.7	72.8	0.0	0.0	2.7	74.2	71.4
Iceland	221	65.2	12.0	4.7	15.9	2.2	65.2	0.0	0.0	2.2	71.2	60.4
Iran, Islamic Rep.	464	70.5	19.2	5.8	4.4	0.1	70.5	0.0	0.0	0.1	68.9	71.6
Ireland	384	54.4	18.0	5.6	20.9	1.0	54.4	0.0	0.0	1.0	51.5	57.6
Israel	162	63.5	17.8	7.3	7.1	4.3	63.5	0.0	0.8	3.5	61.6	68.0
Japan	646	61.8	22.5	8.6	7.1	0.0	61.8	0.0	0.0	0.0	54.8	68.1
Korea	365	79.8	6.0	9.0	5.2	0.0	79.8	0.0	0.0	0.0	77.8	81.5
Kuwait	211	72.3	12.5	7.4	7.8	0.0	72.3	0.0	0.0	0.0	82.8	62.4
Latvia (LSS)	309	41.4	19.8	11.9	22.7	4.2	41.4	0.0	0.4	3.8	41.7	41.1
Lithuania	312	54.8	20.2	6.7	14.6	3.8	54.8	0.6	0.4	2.8	56.5	53.0
Netherlands	259	85.0	1.8	7.4	5.1	0.7	85.0	0.0	0.0	0.7	80.0	89.7
New Zealand	446	55.6	22.4	4.1	17.5	0.4	55.6	0.0	0.0	0.4	50.6	60.4
Norway	411	66.1	13.3	7.2	12.0	1.4	66.1	0.0	0.0	1.4	65.7	66.4
Philippines	759	41.0	15.8	10.0	32.3	0.9	41.0	0.0	0.3	0.7	42.6	39.2
Portugal	418	62.4	10.8	3.1	21.6	2.2	62.4	0.2	0.0	2.0	62.1	62.6
Romania	464	68.7	3.1	5.2	12.1	10.8	68.7	8.5	0.0	2.3	67.8	69.6
Russian Federation	502	73.7	3.2	4.7	16.0	2.4	73.7	0.7	0.0	1.8	75.9	71.4
Scotland	343	59.3	18.1	4.7	16.6	1.3	59.3	0.4	0.0	1.0	55.8	62.7
Singapore	576	81.2	5.1	4.5	9.2	0.0	81.2	0.0	0.0	0.0	80.4	82.0
Slovak Republic	442	88.6	2.6	3.2	3.8	1.8	88.6	0.5	0.3	1.1	89.5	87.5
Slovenia	328	75.3	10.8	4.1	7.4	2.4	75.3	1.5	0.0	0.8	74.7	75.9
South Africa	564	34.4	24.0	13.3	25.0	3.3	34.4	0.1	1.0	2.2	34.9	33.7
Spain	476	64.1	8.4	2.2	22.7	2.5	64.1	0.0	0.0	2.5	60.8	66.8
Sweden	526	78.3	3.6	11.8	5.1	1.2	78.3	0.4	0.0	0.8	77.2	79.3
Switzerland	613	54.1	25.6	4.7	14.7	0.8	54.1	0.2	0.0	0.6	49.4	57.6
Thailand	704	78.3	8.5	4.2	8.9	0.1	78.3	0.0	0.0	0.1	80.3	75.1
United States	859	72.2	7.9	3.1	15.7	1.0	72.2	0.1	0.0	0.9	71.1	73.4
INTERNATIONAL AVG	.	65.5	13.4	5.9	13.1	2.0	65.5	0.4	0.2	1.4	64.4	66.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N07
 Explain oxygen fuel requirements of burning candle. (Chemistry)
 Difficulty: 291

COUNTRY	N	10	11	12	19	70	71	72	76	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
														REACH		% Right	% Right
														ED			
Australia	895	64.2	6.2	1.1	19.9	0.2	1.2	0.1	0.2	4.1	0.3	2.5	91.4	0.0	2.4	89.6	93.1
Austria	354	84.5	9.2	0.9	0.0	0.0	0.2	0.0	0.1	1.6	0.5	2.9	94.6	0.0	2.9	94.7	94.5
Belgium (Fl)	367	90.9	6.0	0.0	0.1	0.0	0.4	0.0	0.0	1.7	0.0	0.8	97.0	0.0	0.8	98.0	96.2
Belgium (Fr)	324	0.0	0.0	0.0	84.3	0.0	0.0	0.0	0.0	9.5	0.0	6.2	84.3	0.0	6.2	80.9	88.4
Bulgaria	179	65.7	24.8	1.9	0.0	1.2	0.0	0.0	0.0	1.1	1.2	4.1	92.4	0.8	3.3	92.5	92.3
Canada	1044	78.6	12.2	1.8	0.2	0.3	0.4	0.1	0.0	3.6	0.1	2.5	92.9	0.6	1.9	93.1	92.8
Colombia	321	39.6	5.2	11.9	1.5	3.9	13.0	0.6	0.3	12.3	0.2	11.5	58.3	1.0	10.4	47.4	69.8
Cyprus	385	75.7	1.4	2.5	2.1	0.0	0.9	0.0	0.0	8.8	0.0	8.7	81.6	0.3	8.5	82.4	80.6
Czech Republic	394	76.4	19.7	0.3	1.3	0.0	0.2	0.0	0.0	0.0	0.0	2.0	97.8	0.0	2.0	97.3	98.2
Denmark	282	90.2	6.0	0.8	0.0	0.5	0.0	0.0	0.0	0.5	0.0	2.0	97.0	0.3	1.7	96.7	97.2
England	217	89.7	7.0	0.0	0.4	0.0	1.2	0.0	0.0	0.9	0.0	0.7	97.1	0.0	0.7	96.1	97.9
France	360	69.3	15.2	1.0	0.3	0.6	2.2	0.0	0.3	6.7	1.6	2.9	85.7	0.3	2.6	82.7	89.0
Germany	351	82.6	6.8	1.7	0.5	0.2	0.4	0.0	0.0	1.3	0.2	6.3	91.6	0.6	5.7	93.5	89.6
Greece	499	78.5	6.8	0.4	0.2	0.2	0.7	0.4	0.4	2.8	0.1	9.4	86.0	0.0	9.4	84.2	87.5
Hong Kong	419	71.7	18.5	0.2	0.7	0.3	0.3	0.2	0.0	4.8	0.0	3.3	91.1	0.0	3.3	88.5	93.2
Hungary	370	95.6	2.8	0.0	0.0	0.0	0.3	0.0	0.0	1.2	0.0	0.2	98.4	0.0	0.2	97.8	99.0
Iceland	221	83.4	3.4	4.6	0.0	0.0	1.2	0.0	0.4	4.9	0.4	1.7	91.4	0.0	1.7	90.1	92.4
Iran, Islamic Rep.	464	84.5	8.1	0.6	0.7	0.0	0.2	0.0	0.3	2.3	0.5	2.8	93.9	0.0	2.8	93.1	94.5
Ireland	384	81.0	11.6	0.7	0.0	0.5	1.6	0.2	0.3	2.9	0.2	1.1	93.2	0.0	1.1	91.7	94.8
Israel	162	75.5	4.4	1.9	0.0	0.5	2.2	1.2	0.0	2.1	0.7	11.5	81.8	0.8	10.7	70.6	93.2
Japan	646	86.3	2.1	1.2	0.5	0.0	4.6	0.0	0.0	3.5	0.5	1.4	90.1	0.0	1.4	88.8	91.3
Korea	365	86.3	5.2	0.5	1.3	0.2	2.5	0.5	0.0	2.3	0.0	1.1	93.4	0.0	1.1	92.2	94.3
Kuwait	211	57.8	5.6	5.1	2.2	1.7	1.7	0.5	0.0	11.6	0.1	13.7	70.7	0.0	13.7	75.7	66.0
Latvia (LSS)	309	64.6	16.2	3.5	1.3	0.3	2.7	0.0	0.0	5.0	0.7	5.8	85.6	0.8	5.0	84.8	86.2
Lithuania	312	86.7	7.7	0.0	0.3	0.0	0.3	0.0	0.0	1.6	0.0	3.5	94.6	0.4	3.2	94.9	94.3
Netherlands	259	87.4	8.4	0.0	0.0	0.0	0.9	0.0	0.0	2.5	0.0	0.8	95.8	0.0	0.8	95.7	95.8
New Zealand	446	80.0	12.2	0.4	0.0	0.5	1.9	0.3	0.0	3.4	0.0	1.4	92.6	0.0	1.4	90.2	94.8
Norway	411	86.9	7.5	0.7	0.0	0.0	0.5	0.0	0.0	2.1	0.3	2.0	95.1	0.0	2.0	96.3	94.0
Philippines	759	20.7	16.9	5.0	1.3	2.9	3.6	0.9	5.1	26.2	3.3	14.1	43.9	0.3	13.8	44.1	43.9
Portugal	418	79.0	8.0	1.1	0.8	0.9	0.2	0.5	0.2	5.2	0.2	4.0	88.9	0.0	4.0	85.6	92.1
Romania	464	76.2	7.4	1.1	1.9	0.2	0.8	0.2	0.7	3.5	0.0	7.9	86.7	0.0	7.9	84.1	89.3
Russian Federation	502	86.8	5.7	0.2	0.4	0.2	1.1	0.0	0.0	1.9	1.8	1.9	93.1	0.0	1.9	91.7	94.5
Scotland	343	77.9	12.2	1.7	0.8	0.0	0.5	0.6	0.0	3.8	0.5	1.9	92.7	0.0	1.9	91.2	94.1
Singapore	576	94.8	1.5	0.0	0.0	0.0	1.2	0.0	0.0	2.2	0.0	0.3	96.3	0.0	0.3	95.1	97.6
Slovak Republic	442	78.0	17.3	0.0	0.0	0.0	0.0	0.2	1.9	0.0	0.0	2.5	95.3	0.3	2.3	93.3	97.5
Slovenia	329	96.4	2.8	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.3	99.4	0.0	0.3	98.9	100.0
South Africa	564	25.7	6.6	2.0	0.5	0.4	1.3	0.6	2.3	25.7	1.2	33.7	34.8	1.0	32.6	34.2	33.8
Spain	476	79.0	7.4	2.7	0.0	0.8	2.2	1.0	0.2	2.8	0.0	3.9	89.1	0.0	3.9	84.3	93.0
Sweden	526	91.4	2.1	3.0	0.5	0.0	0.4	0.0	0.0	2.2	0.0	0.5	97.0	0.0	0.5	97.1	96.9
Switzerland	613	77.6	15.1	1.8	1.1	0.0	0.7	0.0	0.0	1.7	0.0	2.0	95.6	0.0	2.0	95.2	95.9
Thailand	704	51.9	28.1	0.6	0.5	1.9	3.5	1.7	0.0	8.5	0.5	2.8	81.1	0.0	2.8	83.0	78.9
United States	859	83.1	6.1	0.8	0.4	0.7	0.5	0.2	0.4	5.6	0.5	1.7	90.4	0.0	1.7	87.6	93.3
INTERNATIONAL AVG	.	74.6	9.0	1.5	3.0	0.5	1.4	0.2	0.3	4.7	0.4	4.5	88.1	0.2	4.4	86.8	89.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: N08 KEY: D
 Relate lever arm lengths to balanced weights. (Physics)
 Difficulty: 458

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	1.5	3.4	14.3	79.8	1.0	79.8	0.0	0.0	1.0	75.9	83.5
Austria	354	3.1	2.9	13.4	79.0	1.6	79.0	0.0	0.0	1.6	74.7	83.6
Belgium (Fl)	367	1.2	1.8	19.5	74.5	3.0	74.5	0.0	0.0	3.0	68.6	80.1
Belgium (Fr)	324	2.1	9.1	17.7	68.7	2.4	68.7	0.6	0.0	1.9	61.4	76.1
Bulgaria	179	3.8	3.3	8.2	80.9	3.8	80.9	0.6	0.8	2.4	79.8	82.1
Canada	1044	1.7	4.0	17.3	75.2	1.7	75.2	0.0	0.6	1.1	70.1	80.7
Colombia	321	8.5	7.8	21.8	58.5	3.3	58.5	0.0	1.0	2.2	47.1	70.0
Cyprus	385	8.9	8.7	24.0	55.3	3.2	55.3	0.0	0.3	2.9	51.7	59.4
Czech Republic	401	0.8	1.3	15.2	81.7	1.1	81.7	0.3	0.0	0.8	77.1	86.0
Denmark	282	0.3	3.3	19.9	73.5	3.0	73.5	0.0	0.3	2.7	71.2	75.8
England	217	1.3	2.6	17.7	78.3	0.0	78.3	0.0	0.0	0.0	78.2	78.4
France	360	2.2	8.6	17.1	70.5	1.5	70.5	0.0	0.3	1.3	67.9	73.9
Germany	356	1.8	2.0	18.2	76.2	1.8	76.2	0.0	0.6	1.3	75.9	76.7
Greece	499	6.8	3.8	25.2	63.4	0.8	63.4	0.2	0.0	0.6	57.3	68.9
Hong Kong	419	3.1	3.9	18.5	72.8	1.8	72.8	0.0	0.0	1.8	67.6	77.0
Hungary	370	2.0	1.6	27.6	67.5	1.3	67.5	0.0	0.0	1.3	62.9	72.0
Iceland	221	0.8	7.7	15.7	73.7	2.2	73.7	0.2	0.0	2.0	64.8	80.7
Iran, Islamic Rep.	464	12.9	7.6	29.0	48.4	2.1	48.4	0.0	0.0	2.1	32.3	60.0
Ireland	384	3.3	4.4	21.5	70.2	0.6	70.2	0.0	0.0	0.6	68.0	72.7
Israel	162	3.7	6.4	23.6	63.0	3.2	63.0	0.0	0.8	2.3	50.5	75.9
Japan	646	0.0	0.9	15.8	82.8	0.4	82.8	0.0	0.0	0.4	85.8	80.2
Korea	365	0.5	0.8	13.2	85.6	0.0	85.6	0.0	0.0	0.0	87.0	84.4
Kuwait	211	18.8	14.5	22.7	39.7	4.3	39.7	0.0	0.0	4.3	37.3	42.1
Latvia (LSS)	309	3.5	7.2	17.9	68.3	3.2	68.3	0.0	0.8	2.4	62.4	73.8
Lithuania	312	2.4	0.9	11.3	83.8	1.6	83.8	0.0	0.4	1.3	77.8	90.0
Netherlands	259	0.4	2.5	18.2	78.4	0.4	78.4	0.0	0.0	0.4	75.0	81.9
New Zealand	446	2.8	4.2	15.3	77.5	0.2	77.5	0.0	0.0	0.2	75.1	79.8
Norway	411	1.1	2.4	7.3	88.4	0.8	88.4	0.0	0.0	0.8	85.0	91.6
Philippines	759	15.8	8.3	19.6	55.1	1.2	55.1	0.0	0.3	0.9	51.8	59.0
Portugal	418	6.8	5.6	18.0	66.8	2.8	66.8	0.0	0.0	2.8	54.7	78.7
Romania	464	4.4	5.9	16.0	67.5	6.3	67.5	1.1	0.2	5.0	65.0	69.9
Russian Federation	501	2.4	2.2	9.1	85.4	1.0	85.4	0.0	0.0	1.0	84.1	86.7
Scotland	343	3.1	5.1	26.5	64.0	1.2	64.0	0.5	0.0	0.7	59.8	68.2
Singapore	576	0.3	0.8	15.8	82.8	0.2	82.8	0.0	0.0	0.2	79.0	86.1
Slovak Republic	442	2.3	3.2	26.5	67.0	1.0	67.0	0.2	0.6	0.2	59.2	75.2
Slovenia	329	2.4	3.7	18.5	75.2	0.2	75.2	0.0	0.0	0.2	70.4	80.4
South Africa	564	15.8	16.1	17.1	34.9	16.1	34.9	0.7	1.1	14.3	35.5	33.5
Spain	476	3.8	5.3	18.5	70.8	1.5	70.8	0.0	0.0	1.5	66.2	74.6
Sweden	526	0.2	1.6	18.0	79.5	0.6	79.5	0.0	0.0	0.6	77.3	81.6
Switzerland	613	1.6	2.6	12.1	83.5	0.1	83.5	0.0	0.0	0.1	80.9	85.4
Thailand	704	3.3	2.1	10.8	82.9	0.9	82.9	0.0	0.0	0.9	80.0	87.1
United States	859	4.4	5.0	18.4	71.0	1.2	71.0	0.0	0.0	1.2	66.4	75.6
INTERNATIONAL AVG	.	4.0	4.6	17.9	71.5	2.0	71.5	0.1	0.2	1.7	67.1	75.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N09 KEY: D
 Choose materials that can be separated using a funnel lined with filter paper. (Chemistry)
 Difficulty: 605

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	19.8	10.2	3.9	60.8	4.3	1.1	60.8	0.0	0.0	1.1	64.1	57.7
Austria	354	10.5	9.9	7.1	60.1	6.3	6.1	60.1	0.0	0.0	6.1	58.9	61.6
Belgium (Fl)	367	21.4	16.3	6.2	46.0	6.1	4.0	46.0	0.0	0.0	4.0	41.6	50.0
Belgium (Fr)	324	14.5	11.6	10.8	35.7	9.5	18.0	35.7	1.7	0.0	16.3	30.9	40.7
Bulgaria	179	7.2	3.6	4.4	73.4	4.2	7.3	73.4	0.9	0.8	5.6	73.2	73.6
Canada	1044	19.8	12.5	6.3	51.5	6.2	3.7	51.5	2.6	0.6	0.5	50.6	52.5
Colombia	321	11.4	18.3	21.6	28.6	15.6	4.6	28.6	0.4	1.0	3.1	24.3	31.8
Cyprus	385	8.8	21.9	13.3	43.2	8.4	4.4	43.2	1.6	0.3	2.5	48.9	36.6
Czech Republic	401	11.4	13.2	2.7	68.0	2.2	2.5	68.0	1.1	0.0	1.5	56.8	78.6
Denmark	282	14.5	16.9	8.1	33.8	12.4	14.2	33.8	2.1	0.3	11.8	28.6	39.5
England	217	18.2	7.4	0.8	69.3	3.2	1.0	69.3	0.0	0.0	1.0	73.6	66.1
France	360	15.0	9.2	13.3	50.0	8.4	4.0	50.0	1.8	0.3	1.9	48.5	52.1
Germany	356	11.6	4.7	8.3	59.2	4.2	12.0	59.2	5.3	0.6	6.1	61.4	56.6
Greece	499	12.4	20.9	9.0	38.4	12.0	7.3	38.4	2.1	0.0	5.1	33.3	43.0
Hong Kong	418	4.9	7.1	4.8	62.2	20.9	0.2	62.2	0.0	0.0	0.2	56.7	66.7
Hungary	370	6.2	8.3	5.0	66.9	6.1	7.5	66.9	0.0	0.0	7.5	59.6	74.0
Iceland	221	17.4	22.7	7.4	40.6	7.4	4.5	40.6	0.0	0.0	4.5	52.6	31.0
Iran, Islamic Rep.	.	.	.	.	.	.	.	.	.	.	.	.	.
Ireland	384	14.4	8.7	5.6	64.1	4.8	2.4	64.1	1.0	0.0	1.4	65.8	62.3
Israel	162	15.2	10.2	9.1	34.6	21.7	9.3	34.6	0.0	0.8	8.5	39.2	31.0
Japan	646	8.7	18.4	2.9	67.1	2.3	0.6	67.1	0.5	0.0	0.1	70.2	64.4
Korea	365	1.6	3.3	3.8	87.7	3.7	0.0	87.7	0.0	0.0	0.0	85.4	89.7
Kuwait	211	10.4	28.8	12.7	30.5	12.4	5.3	30.5	0.0	1.0	4.3	42.1	19.7
Latvia (LSS)	309	9.9	5.8	10.5	50.5	15.5	7.9	50.5	0.0	0.8	7.1	44.3	56.4
Lithuania	312	3.0	5.0	3.8	64.7	13.9	9.7	64.7	3.7	0.4	5.6	59.5	70.0
Netherlands	259	14.1	6.0	10.9	60.2	7.9	1.0	60.2	0.0	0.4	0.6	65.1	56.2
New Zealand	446	20.4	10.1	4.8	54.5	8.9	1.3	54.5	0.9	0.0	0.4	54.4	54.6
Norway	411	18.2	9.6	9.9	51.0	6.8	4.5	51.0	0.0	0.0	4.5	52.1	50.1
Philippines	760	16.8	30.8	18.8	20.7	12.4	0.5	20.7	0.1	0.3	0.1	19.6	22.0
Portugal	418	12.9	16.4	7.8	47.8	9.4	5.6	47.8	0.0	0.0	5.6	39.4	55.9
Romania	461	19.6	12.0	8.9	41.5	3.7	14.3	41.5	10.5	0.7	3.0	36.0	47.1
Russian Federation	501	11.1	3.5	2.6	62.4	13.7	6.6	62.4	1.8	0.2	4.6	65.3	59.4
Scotland	343	17.3	10.4	3.8	58.4	7.0	3.2	58.4	1.9	0.0	1.3	56.0	60.7
Singapore	576	20.6	3.7	0.4	70.6	3.8	0.8	70.6	0.0	0.0	0.8	68.4	72.6
Slovak Republic	442	11.6	12.4	3.4	58.1	6.7	7.7	58.1	4.8	0.6	2.3	55.7	60.7
Slovenia	329	7.0	10.4	5.8	59.7	10.2	6.9	59.7	3.7	0.0	3.2	58.7	60.6
South Africa	564	17.3	16.6	16.1	34.3	12.8	2.9	34.3	0.2	1.1	1.6	35.6	31.8
Spain	476	16.0	15.1	11.5	42.9	9.0	5.4	42.9	0.0	0.0	5.4	41.5	44.1
Sweden	526	18.5	25.2	5.1	41.0	5.5	4.7	41.0	3.0	0.0	1.7	40.7	41.2
Switzerland	613	13.7	12.1	9.7	49.6	9.8	5.1	49.6	2.7	0.0	2.4	44.4	53.5
Thailand	704	24.8	13.7	5.2	40.1	15.7	0.5	40.1	0.1	0.0	0.4	40.9	40.1
United States	859	19.2	13.0	10.4	48.7	7.3	1.4	48.7	0.1	0.0	1.4	50.6	46.7
INTERNATIONAL AVG	.	13.8	12.6	7.7	51.9	8.8	5.1	51.9	1.3	0.3	3.5	51.1	52.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N10
 Determine effect of tipping container on water surface. (Physics)
 Difficulty: 569

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	895	57.2	2.9	19.4	6.2	10.8	1.2	0.2	2.1	57.2	0.0	2.1	45.6	67.9
Austria	354	50.8	1.7	7.3	6.4	7.7	21.1	1.5	3.4	50.8	0.0	3.4	42.5	61.0
Belgium (Fl)	367	59.7	1.4	17.3	1.9	12.4	4.7	0.2	2.5	59.7	0.0	2.5	49.6	68.9
Belgium (Fr)	324	64.4	0.0	0.0	0.0	0.0	28.1	0.0	7.5	64.4	0.3	7.2	54.5	75.0
Bulgaria	179	66.5	5.2	12.1	1.0	4.0	3.1	0.0	8.0	66.5	1.6	6.4	66.6	66.3
Canada	1044	51.8	0.5	21.1	4.3	16.9	2.2	0.2	3.0	51.8	0.6	2.4	41.9	60.8
Colombia	321	22.1	0.0	38.1	8.7	18.3	6.2	0.0	6.6	22.1	1.0	5.5	10.2	34.0
Cyprus	385	39.1	0.0	32.0	4.1	11.4	3.9	0.0	9.5	39.1	0.3	9.2	35.2	43.5
Czech Republic	401	74.1	0.2	15.2	3.4	5.4	0.5	0.0	1.1	74.1	0.0	1.1	58.5	88.9
Denmark	282	65.2	0.0	10.9	4.8	12.9	2.3	1.2	2.7	65.2	0.3	2.4	55.2	75.0
England	217	69.6	0.5	20.4	3.7	5.0	0.9	0.0	0.0	69.6	0.0	0.0	61.5	75.7
France	360	55.8	0.3	21.9	6.6	10.8	1.9	1.1	1.6	55.8	0.3	1.3	50.7	64.6
Germany	352	61.3	0.3	20.6	2.3	9.3	0.4	1.7	4.2	61.3	0.6	3.6	54.8	68.9
Greece	499	49.4	1.9	24.2	2.9	10.1	2.1	1.3	8.2	49.4	0.0	8.2	39.6	58.2
Hong Kong	418	70.5	0.5	18.2	1.2	3.3	1.7	0.0	4.7	70.5	0.0	4.7	56.3	82.2
Hungary	370	62.0	1.0	18.3	7.8	8.2	1.9	0.0	0.8	62.0	0.2	0.6	51.5	72.1
Iceland	221	56.1	0.0	22.2	5.2	11.0	0.0	0.6	4.9	56.1	0.0	4.9	49.7	61.2
Iran, Islamic Rep.	464	27.3	3.7	27.6	2.0	10.9	16.2	1.4	11.0	27.3	0.0	11.0	15.5	35.8
Ireland	384	48.6	1.1	28.8	7.5	8.7	3.3	0.5	1.4	48.6	0.0	1.4	34.3	64.4
Israel	162	35.7	1.2	25.6	3.4	14.4	3.1	1.1	15.5	35.7	0.8	14.6	21.6	47.0
Japan	646	60.8	1.0	19.1	1.3	16.8	0.2	0.2	0.7	60.8	0.0	0.7	53.1	67.7
Korea	365	52.4	18.0	14.2	0.8	0.0	6.8	0.0	7.9	52.4	0.0	7.9	43.1	60.1
Kuwait	211	17.9	5.4	27.2	4.6	3.9	7.9	0.3	32.7	17.9	1.0	31.7	17.5	18.3
Latvia (LSS)	309	54.1	4.6	13.3	3.7	17.1	1.8	1.4	4.0	54.1	0.8	3.2	39.7	67.6
Lithuania	312	47.4	8.1	16.3	4.0	18.2	0.3	0.4	5.4	47.4	0.4	5.0	35.6	59.4
Netherlands	259	65.3	0.4	17.0	2.1	11.1	2.8	0.5	0.8	65.3	0.4	0.4	53.8	77.0
New Zealand	446	55.2	1.1	21.0	3.4	13.1	4.1	0.8	1.3	55.2	0.0	1.3	43.5	66.4
Norway	411	60.5	0.2	17.8	3.9	13.6	2.2	0.3	1.5	60.5	0.0	1.5	51.4	68.9
Philippines	760	26.7	3.6	18.6	1.3	4.7	17.4	3.3	24.5	26.7	0.3	24.2	21.1	33.6
Portugal	418	38.1	5.0	24.9	6.8	20.8	3.3	0.2	1.0	38.1	0.0	1.0	28.1	47.8
Romania	464	45.4	0.3	21.2	8.4	11.5	3.0	0.4	9.8	45.4	0.7	9.0	35.8	55.2
Russian Federation	502	50.9	9.6	22.6	2.6	9.7	0.5	1.3	2.8	50.9	0.2	2.6	42.3	59.8
Scotland	343	50.6	0.9	26.0	5.6	12.3	2.6	0.8	1.1	50.6	0.0	1.1	44.9	56.2
Singapore	576	75.8	0.3	16.3	2.2	4.9	0.3	0.0	0.1	75.8	0.0	0.1	68.0	83.1
Slovak Republic	440	56.0	3.7	19.8	3.2	11.8	2.4	0.6	2.5	56.0	0.6	1.9	44.5	68.0
Slovenia	329	65.3	0.8	17.0	2.2	7.4	4.0	0.8	2.5	65.3	0.0	2.5	56.3	74.8
South Africa	564	15.8	0.3	12.8	1.6	6.9	14.6	2.7	45.3	15.8	1.1	44.2	15.3	15.8
Spain	476	47.9	0.3	24.8	2.9	20.1	2.0	0.0	2.1	47.9	0.0	2.1	37.6	56.3
Sweden	526	64.6	0.4	19.1	3.2	9.4	2.0	0.3	1.0	64.6	0.0	1.0	54.6	74.3
Switzerland	613	67.9	0.4	16.9	2.3	8.6	1.1	0.1	2.6	67.9	0.0	2.6	57.8	75.4
Thailand	704	41.3	0.6	29.3	5.9	12.5	5.3	0.0	5.0	41.3	0.0	5.0	36.2	49.3
United States	859	41.6	5.3	25.3	5.5	14.4	4.6	0.2	3.0	41.6	0.0	3.0	30.3	53.3
INTERNATIONAL AVG	.	52.1	2.2	20.0	3.8	10.5	4.6	0.6	6.1	52.1	0.3	5.8	43.0	60.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O10
 Identify polarity of ends of cut magnet. (Physics)
 Difficulty: 564

COUNTRY	N	10	19	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	893	66.7	0.0	19.7	0.2	0.6	1.5	0.4	10.9	66.7	0.3	10.6	66.7	66.7
Austria	350	79.0	0.0	13.6	0.0	0.0	0.0	1.3	6.1	79.0	0.0	6.1	79.6	79.7
Belgium (Fl)	365	64.4	0.0	23.6	1.8	0.5	0.4	0.8	8.7	64.4	0.0	8.7	64.8	64.1
Belgium (Fr)	334	0.0	38.7	0.0	0.0	0.0	20.7	0.0	40.6	38.7	1.7	38.8	31.9	45.0
Bulgaria	302	63.3	0.0	4.7	0.2	0.0	3.2	1.2	27.3	63.3	0.2	27.1	62.8	63.8
Canada	1014	60.7	0.0	20.3	0.9	0.2	1.9	0.3	15.7	60.7	0.0	15.7	59.3	61.3
Colombia	329	18.6	0.0	16.0	3.3	0.7	6.7	4.8	49.9	18.6	4.6	45.3	17.6	19.1
Cyprus	297	29.2	0.0	18.7	0.0	0.0	2.2	0.6	49.4	29.2	0.4	48.9	33.1	25.9
Czech Republic	412	74.4	0.0	16.7	0.8	0.0	0.9	0.0	7.1	74.4	0.0	7.1	76.4	72.4
Denmark	290	52.9	0.0	18.7	1.0	1.0	2.0	0.0	24.5	52.9	0.3	24.1	55.4	51.7
England	226	66.5	0.0	21.8	0.4	0.4	1.8	1.5	7.5	66.5	0.0	7.5	71.9	60.5
France	370	47.1	0.3	33.3	1.3	0.3	1.9	1.0	14.8	47.4	0.1	14.7	46.6	51.3
Germany	353	68.8	0.0	15.4	0.3	0.0	1.0	0.2	14.4	68.8	0.0	14.4	67.5	70.3
Greece	500	53.5	0.3	29.1	1.6	0.2	2.9	0.8	11.6	53.8	0.0	11.6	52.6	54.8
Hong Kong	417	62.6	0.2	10.1	0.5	0.2	0.0	0.2	26.1	62.8	0.0	26.1	57.0	67.3
Hungary	334	53.1	0.0	7.9	0.0	0.5	8.2	4.1	26.3	53.1	0.0	26.3	44.4	61.3
Iceland	215	50.3	0.0	24.9	2.9	3.1	4.8	0.6	13.3	50.3	0.9	12.5	38.9	58.6
Iran, Islamic Rep.	448	48.4	0.0	7.8	0.0	0.0	15.1	2.5	26.1	48.4	0.0	26.1	50.2	47.1
Ireland	386	60.6	0.0	24.8	2.0	1.4	4.7	1.9	4.6	60.6	0.0	4.6	56.9	64.0
Israel	167	52.9	1.8	17.1	0.0	0.0	1.1	0.0	27.2	54.6	1.5	25.7	56.1	58.2
Japan	643	70.3	0.0	26.7	0.2	0.0	0.8	0.0	1.9	70.3	0.0	1.9	68.6	71.8
Korea	355	65.7	0.0	19.6	0.5	0.0	4.3	0.0	9.9	65.7	0.0	9.9	61.8	69.0
Kuwait	209	36.8	0.0	30.1	1.8	0.1	6.0	0.0	25.1	36.8	0.0	25.1	33.1	40.1
Latvia (LSS)	307	30.2	0.5	15.9	0.8	0.6	7.9	3.5	40.5	30.7	1.0	39.5	25.1	36.9
Lithuania	309	49.9	0.0	23.6	0.0	0.0	3.5	0.4	22.6	49.9	1.3	21.3	44.1	58.5
Netherlands	242	66.1	0.0	16.4	0.4	0.0	3.7	1.5	12.0	66.1	0.0	12.0	66.9	66.1
New Zealand	462	53.9	0.0	30.1	1.5	1.6	2.2	0.3	10.4	53.9	0.0	10.4	49.0	58.6
Norway	401	54.4	0.0	23.9	1.3	1.7	1.8	0.6	16.3	54.4	0.0	16.3	58.3	50.6
Philippines	761	31.0	0.0	16.4	0.7	1.3	4.9	2.4	43.4	31.0	0.0	43.4	30.3	31.9
Portugal	422	40.3	0.0	24.9	0.6	0.2	2.0	1.2	30.7	40.3	0.0	30.7	36.4	44.4
Romania	463	58.9	0.0	6.7	0.2	0.3	3.5	0.2	30.1	58.9	0.0	30.1	57.1	61.2
Russian Federation	489	70.4	0.0	14.4	0.2	0.3	1.6	1.0	12.2	70.4	0.6	11.6	69.3	71.8
Scotland	352	50.3	0.0	31.7	1.2	2.8	2.0	1.1	10.9	50.3	0.0	10.9	53.1	48.0
Singapore	586	80.5	0.0	16.1	0.5	0.0	1.0	0.3	1.6	80.5	0.5	1.1	80.3	81.0
Slovak Republic	424	74.7	0.8	10.2	0.4	0.3	3.0	0.6	9.9	75.5	0.0	9.9	73.9	77.3
Slovenia	332	53.9	0.0	29.6	0.3	0.9	1.2	0.6	13.7	53.9	0.3	13.3	47.6	60.1
South Africa	541	12.6	0.4	7.5	0.0	0.2	18.4	0.9	60.1	12.9	2.3	57.8	10.0	15.8
Spain	468	69.3	0.4	11.1	1.3	0.4	2.5	0.4	14.5	69.8	0.0	14.5	69.0	70.7
Sweden	460	54.3	0.2	28.3	0.3	0.4	2.4	1.5	12.6	54.5	0.0	12.6	61.7	47.5
Switzerland	604	59.2	0.0	21.6	0.4	0.2	3.5	1.2	13.7	59.2	0.3	13.4	62.3	56.4
Thailand	703	66.0	0.1	10.5	1.5	0.2	9.4	0.0	12.4	66.1	0.4	11.9	67.1	64.8
United States	879	58.2	0.0	18.8	1.0	0.7	1.7	0.9	18.7	58.2	0.4	18.4	59.2	57.4
INTERNATIONAL AVG	.	54.3	1.0	18.5	0.8	0.5	4.0	1.0	19.9	55.3	0.4	19.5	54.1	56.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O11 KEY: C
 Identify which change in elemental form is due to a chemical change. (Chemistry)
 Difficulty: 670

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	893	3.2	46.5	39.6	9.0	1.6	39.6	0.0	0.3	1.3	37.4	41.8
Austria	350	1.8	47.1	43.2	4.9	3.0	43.2	0.0	0.0	3.0	37.6	48.0
Belgium (Fl)	365	1.9	48.8	34.4	9.4	5.5	34.4	0.0	0.0	5.5	34.8	34.1
Belgium (Fr)	334	6.2	41.5	34.1	9.1	9.1	34.1	0.6	1.7	6.7	38.4	31.2
Bulgaria	302	4.3	26.8	58.7	6.9	3.4	58.7	1.0	0.7	1.7	61.0	56.4
Canada	1014	4.1	45.9	41.6	8.2	0.3	41.6	0.1	0.0	0.2	40.2	43.4
Colombia	329	11.3	46.5	14.3	18.7	9.2	14.3	0.4	4.6	4.1	13.5	15.1
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	412	1.5	47.8	43.5	4.5	2.8	43.5	1.7	0.0	1.1	41.3	45.7
Denmark	290	6.7	46.7	25.8	9.3	11.6	25.8	0.0	0.3	11.3	24.4	26.9
England	226	0.8	63.1	28.0	7.3	0.8	28.0	0.0	0.0	0.8	21.3	35.4
France	370	2.7	51.8	36.9	6.4	2.2	36.9	0.2	0.1	1.9	33.3	41.6
Germany	354	1.9	40.8	42.8	4.3	10.3	42.8	4.4	0.0	5.8	37.2	47.5
Greece	500	4.9	52.1	25.5	16.0	1.6	25.5	0.2	0.0	1.4	23.6	27.1
Hong Kong	420	6.9	26.3	52.5	13.4	0.9	52.5	0.0	0.3	0.6	51.0	53.7
Hungary	335	2.8	41.0	43.0	5.7	7.4	43.0	0.2	0.0	7.2	41.9	44.2
Iceland	215	5.9	66.2	21.8	3.9	2.3	21.8	0.0	0.9	1.4	20.0	23.0
Iran, Islamic Rep.	448	4.8	28.4	56.3	9.3	1.1	56.3	0.0	0.0	1.1	55.9	56.8
Ireland	386	2.9	63.9	26.2	6.1	0.9	26.2	0.2	0.0	0.7	19.5	32.6
Israel	167	2.2	40.6	47.2	4.9	5.0	47.2	0.0	1.5	3.5	45.0	54.0
Japan	643	2.5	45.4	46.7	4.5	0.8	46.7	0.4	0.0	0.4	46.2	47.2
Korea	355	3.5	38.2	52.6	5.5	0.3	52.6	0.0	0.0	0.3	46.5	57.8
Kuwait	209	6.3	31.3	39.4	18.7	4.3	39.4	0.0	0.0	4.3	40.2	38.7
Latvia (LSS)	307	3.0	43.4	37.7	9.5	6.4	37.7	0.0	1.0	5.4	34.0	41.7
Lithuania	309	5.7	46.1	16.1	12.4	19.8	16.1	0.6	1.3	17.9	16.6	15.2
Netherlands	242	3.3	39.8	41.6	11.9	3.4	41.6	0.0	0.9	2.5	43.0	39.7
New Zealand	462	3.1	51.5	36.2	8.1	1.2	36.2	0.0	0.0	1.2	29.3	42.9
Norway	401	7.9	39.1	43.9	5.9	3.2	43.9	0.0	0.0	3.2	36.4	51.3
Philippines	761	17.7	39.3	21.9	20.9	0.1	21.9	0.0	0.0	0.1	19.7	24.6
Portugal	422	8.1	31.6	45.8	12.4	2.1	45.8	0.0	0.2	1.9	43.3	48.5
Romania	462	4.7	40.0	36.3	8.7	10.2	36.3	5.4	0.0	4.9	34.1	39.1
Russian Federation	489	3.4	26.7	58.9	4.3	6.7	58.9	1.6	1.0	4.1	53.9	65.1
Scotland	352	4.3	57.3	31.5	6.0	0.9	31.5	0.5	0.0	0.5	29.0	34.0
Singapore	586	0.8	43.5	49.7	4.8	1.2	49.7	0.0	0.5	0.7	48.2	51.4
Slovak Republic	424	1.6	55.4	37.1	3.3	2.6	37.1	1.1	0.0	1.5	33.5	41.0
Slovenia	332	1.8	52.6	35.2	6.4	3.9	35.2	0.7	0.3	3.0	32.4	38.1
South Africa	540	12.4	40.8	28.9	14.8	3.1	28.9	0.0	2.6	0.5	24.8	32.7
Spain	468	3.8	56.5	30.3	6.8	2.6	30.3	0.0	0.0	2.6	23.6	37.9
Sweden	460	1.0	60.5	24.9	12.7	0.9	24.9	0.2	0.0	0.7	22.2	27.1
Switzerland	604	1.7	42.9	44.8	6.3	4.3	44.8	0.8	0.3	3.2	37.0	52.0
Thailand	703	1.3	53.3	37.0	7.4	1.0	37.0	0.0	0.4	0.6	36.5	37.8
United States	879	3.3	47.6	42.0	5.8	1.3	42.0	0.3	0.4	0.6	39.4	44.0
INTERNATIONAL AVG	.	4.3	45.2	37.9	8.6	3.9	37.9	0.5	0.5	2.9	35.3	40.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O12 KEY: A
 Know relative amounts of components in air. (Earth Science)
 Difficulty: 750

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	893	15.9	52.6	23.0	7.6	0.9	15.9	0.0	0.3	0.5	14.4	17.3
Austria	350	42.3	44.5	9.0	2.1	2.0	42.3	0.0	0.0	2.0	39.4	45.7
Belgium (Fl)	365	17.3	63.2	14.6	4.9	0.0	17.3	0.0	0.0	0.0	18.2	16.5
Belgium (Fr)	334	20.0	55.2	20.2	1.8	2.9	20.0	0.1	1.7	1.1	10.8	27.8
Bulgaria	302	44.5	42.0	9.9	2.0	1.6	44.5	0.6	0.7	0.4	43.8	45.3
Canada	1014	20.7	56.7	18.5	4.0	0.2	20.7	0.2	0.0	0.0	19.7	22.3
Colombia	.	.	.	.	.	.	.	.	.	.	.	.
Cyprus	297	33.3	47.4	14.4	2.6	2.3	33.3	0.3	0.7	1.2	34.9	31.7
Czech Republic	412	38.4	47.8	12.7	0.6	0.6	38.4	0.3	0.0	0.3	40.3	36.5
Denmark	290	10.8	61.4	21.0	5.3	1.6	10.8	0.5	0.3	0.8	8.6	12.4
England	226	16.6	58.2	20.4	3.1	1.8	16.6	0.0	0.0	1.8	14.9	18.4
France	370	12.8	72.1	11.7	2.4	1.0	12.8	0.6	0.1	0.3	10.4	16.9
Germany	354	27.4	52.4	15.3	2.1	2.9	27.4	2.0	0.0	0.9	28.2	26.2
Greece	500	33.9	51.7	11.2	2.8	0.6	33.9	0.2	0.0	0.4	29.1	38.1
Hong Kong	420	49.7	28.1	15.4	6.3	0.5	49.7	0.0	0.3	0.2	37.7	58.9
Hungary	335	43.4	40.1	9.8	4.6	2.1	43.4	0.0	0.0	2.1	39.9	46.6
Iceland	215	13.7	64.7	18.5	2.0	1.1	13.7	0.2	0.9	0.0	8.9	17.2
Iran, Islamic Rep.	448	4.4	78.1	5.5	11.3	0.7	4.4	0.1	0.0	0.6	1.3	6.7
Ireland	386	29.8	44.9	19.6	5.4	0.2	29.8	0.2	0.0	0.0	30.0	29.6
Israel	167	33.2	41.5	14.4	5.0	5.8	33.2	0.0	1.8	4.0	28.7	39.7
Japan	643	53.6	30.6	12.5	3.2	0.2	53.6	0.2	0.0	0.0	45.1	60.8
Korea	355	41.2	43.6	10.1	5.2	0.0	41.2	0.0	0.0	0.0	30.5	50.1
Kuwait	209	36.9	42.0	6.1	14.9	0.1	36.9	0.0	0.0	0.1	37.3	36.6
Latvia (LSS)	307	17.5	60.3	14.8	3.1	4.3	17.5	0.0	1.0	3.3	15.0	20.3
Lithuania	309	22.2	67.5	4.3	2.4	3.5	22.2	0.9	1.3	1.4	20.9	24.0
Netherlands	242	30.8	51.5	14.0	2.2	1.5	30.8	0.0	1.4	0.1	20.2	41.5
New Zealand	462	17.6	52.9	21.0	8.0	0.5	17.6	0.5	0.0	0.0	14.1	21.0
Norway	401	27.2	54.9	9.9	5.6	2.4	27.2	0.0	0.0	2.4	25.1	29.3
Philippines	761	37.2	36.7	21.2	5.0	0.0	37.2	0.0	0.0	0.0	39.4	34.5
Portugal	422	8.5	79.4	8.1	3.0	1.1	8.5	0.0	0.2	0.9	6.0	11.1
Romania	462	40.0	43.8	7.3	3.3	5.6	40.0	3.7	0.0	2.0	40.6	39.2
Russian Federation	489	26.9	56.7	6.4	7.6	2.4	26.9	0.2	1.0	1.3	23.7	30.8
Scotland	352	25.2	48.4	20.4	5.8	0.3	25.2	0.3	0.0	0.0	25.5	25.0
Singapore	586	58.0	21.0	6.9	13.7	0.5	58.0	0.0	0.5	0.0	55.4	60.3
Slovak Republic	424	31.8	54.0	12.4	0.8	1.1	31.8	0.2	0.0	0.8	29.9	33.8
Slovenia	332	30.6	46.5	17.5	3.5	1.9	30.6	1.0	0.3	0.6	23.2	37.9
South Africa	540	10.5	57.0	16.6	11.5	4.3	10.5	0.6	2.6	1.1	8.6	12.4
Spain	468	9.4	71.5	10.9	7.2	1.0	9.4	0.0	0.0	1.0	7.9	11.2
Sweden	460	25.1	55.0	13.0	6.4	0.5	25.1	0.2	0.0	0.3	22.2	27.9
Switzerland	604	20.5	61.8	14.4	2.0	1.3	20.5	0.1	0.3	0.9	18.8	22.1
Thailand	703	17.6	58.8	17.7	5.1	0.8	17.6	0.0	0.4	0.3	17.4	17.5
United States	879	19.6	52.1	19.0	8.3	1.0	19.6	0.0	0.4	0.6	15.8	22.5
INTERNATIONAL AVG	.	27.2	52.4	13.9	5.0	1.5	27.2	0.3	0.4	0.8	24.4	29.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O13 KEY: C
 Relate circular motion to centripetal force. (Physics)
 Difficulty: 534

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	893	11.9	9.8	64.1	12.3	1.9	64.1	0.0	0.3	1.5	61.4	66.6
Austria	350	11.4	7.3	69.2	9.6	2.5	69.2	0.0	0.0	2.5	63.7	74.5
Belgium (Fl)	365	11.8	13.0	60.3	12.8	2.1	60.3	0.0	0.0	2.1	56.7	64.0
Belgium (Fr)	334	7.0	10.2	66.5	13.7	2.5	66.5	0.1	1.7	0.6	60.5	71.7
Bulgaria	302	8.0	17.9	57.0	10.4	6.7	57.0	0.0	0.7	6.1	59.4	54.5
Canada	1014	9.5	12.4	63.4	12.9	1.8	63.4	0.1	0.0	1.7	57.8	69.7
Colombia	329	8.3	18.9	32.9	29.0	10.9	32.9	0.3	4.9	5.7	27.2	39.2
Cyprus	297	7.8	13.4	50.7	20.0	8.0	50.7	0.3	0.7	6.9	50.3	52.1
Czech Republic	412	8.8	8.9	75.0	7.1	0.3	75.0	0.0	0.0	0.3	67.1	82.8
Denmark	290	8.3	13.3	61.6	12.5	4.3	61.6	0.2	0.3	3.8	51.5	69.5
England	226	8.7	11.5	59.9	18.1	1.9	59.9	0.0	0.0	1.9	51.6	69.1
France	370	12.8	10.7	60.0	15.6	0.9	60.0	0.1	0.1	0.6	53.7	65.6
Germany	354	10.9	7.4	67.1	10.6	4.0	67.1	0.8	0.0	3.2	58.6	74.7
Greece	500	9.6	11.5	58.5	18.3	2.0	58.5	0.0	0.0	2.0	55.1	61.6
Hong Kong	420	13.6	12.8	57.9	15.5	0.3	57.9	0.0	0.3	0.0	50.6	63.4
Hungary	335	7.4	7.2	75.7	9.4	0.2	75.7	0.0	0.0	0.2	71.5	79.8
Iceland	215	11.1	16.9	60.1	10.3	1.6	60.1	0.0	0.9	0.7	52.5	65.6
Iran, Islamic Rep.	448	9.0	14.4	44.9	28.9	2.8	44.9	0.0	0.0	2.8	39.0	49.2
Ireland	386	8.7	16.7	56.5	15.9	2.2	56.5	0.6	0.0	1.6	49.9	62.8
Israel	167	12.0	9.4	55.8	17.9	4.8	55.8	0.0	1.8	3.0	52.9	61.3
Japan	643	9.1	13.9	68.4	8.6	0.1	68.4	0.1	0.0	0.0	64.9	71.4
Korea	355	18.3	9.5	52.2	20.0	0.0	52.2	0.0	0.0	0.0	42.4	60.4
Kuwait	209	6.1	16.0	56.0	18.1	3.8	56.0	0.0	0.0	3.8	57.5	54.7
Latvia (LSS)	303	7.5	12.0	60.9	13.0	6.5	60.9	0.0	1.0	5.5	55.7	66.6
Lithuania	309	8.5	17.6	60.0	8.8	5.2	60.0	0.0	1.3	3.9	53.0	70.2
Netherlands	242	15.1	2.4	69.3	11.3	1.9	69.3	0.0	1.4	0.5	65.8	73.9
New Zealand	462	13.5	10.0	65.0	10.2	1.2	65.0	0.2	0.0	1.0	58.0	71.8
Norway	401	10.1	9.3	70.9	6.6	3.2	70.9	0.0	0.0	3.2	66.8	74.9
Philippines	761	16.7	14.7	25.0	42.6	1.1	25.0	0.0	0.0	1.1	22.1	28.4
Portugal	422	9.1	15.8	56.8	16.6	1.8	56.8	0.0	0.2	1.6	48.2	65.7
Romania	463	6.5	16.6	50.3	16.3	10.4	50.3	1.3	0.2	8.8	47.9	53.5
Russian Federation	489	8.3	13.7	63.6	8.9	5.5	63.6	0.6	1.2	3.7	55.3	73.9
Scotland	352	7.2	16.3	58.9	15.4	2.3	58.9	0.0	0.0	2.3	54.6	63.2
Singapore	586	10.3	11.5	67.9	9.3	1.0	67.9	0.0	0.5	0.5	65.9	70.2
Slovak Republic	430	7.4	16.3	65.6	8.3	2.5	65.6	0.5	0.0	2.0	56.1	75.9
Slovenia	332	9.6	16.0	65.6	6.9	1.9	65.6	0.3	0.3	1.3	62.2	68.8
South Africa	540	9.4	18.6	23.5	36.0	12.6	23.5	0.6	2.7	9.3	22.6	24.6
Spain	468	11.7	9.6	62.5	14.3	1.8	62.5	0.0	0.0	1.8	55.4	70.5
Sweden	460	10.1	13.8	64.0	10.9	1.3	64.0	0.2	0.0	1.1	51.8	75.3
Switzerland	604	9.1	6.6	66.9	16.1	1.4	66.9	0.0	0.3	1.1	61.0	72.2
Thailand	703	12.8	12.1	43.9	30.2	1.0	43.9	0.0	0.4	0.6	42.9	45.0
United States	879	11.6	9.9	63.2	14.0	1.3	63.2	0.0	0.4	1.0	58.1	67.0
INTERNATIONAL AVG	.	10.1	12.5	59.0	15.3	3.1	59.0	0.1	0.5	2.4	53.8	64.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O14
 Explain relative size of Sun and Moon as viewed from Earth. (Earth Science)
 Difficulty: 560

COUNTRY	N	NOT REACH ED													OMIT	1.GIRL % Right	2.BOY % Right
		10	19	70	71	72	73	74	76	79	90	99	V1				
Australia	893	67.9	0.2	2.4	1.6	11.4	0.1	0.3	0.1	8.6	1.2	6.2	68.1	0.6	5.6	64.7	71.3
Austria	350	69.5	0.0	3.5	1.9	10.0	0.7	1.5	0.1	6.6	1.7	4.5	69.5	0.0	4.5	64.4	75.3
Belgium (Fl)	365	62.0	0.3	1.9	4.6	7.7	3.8	2.6	1.7	9.1	1.0	5.2	62.3	0.0	5.2	55.0	69.9
Belgium (Fr)	334	0.0	58.3	0.0	0.0	0.0	0.0	15.2	0.0	16.4	0.0	10.1	58.3	1.7	8.4	49.2	66.2
Bulgaria	302	48.2	1.9	0.8	0.0	15.9	1.4	0.9	0.0	9.9	0.4	20.7	50.1	1.7	18.9	50.6	49.6
Canada	1014	66.9	0.4	2.1	0.8	13.9	0.6	1.8	0.1	10.0	0.6	3.0	67.2	0.0	2.9	60.6	73.9
Colombia	329	25.5	0.0	6.0	1.4	22.1	1.8	0.5	0.3	21.4	0.0	21.1	25.5	5.2	15.9	22.4	28.9
Cyprus	297	31.5	0.0	9.7	2.1	14.3	2.6	0.2	0.2	9.9	0.0	29.5	31.5	1.1	28.5	25.3	37.9
Czech Republic	412	70.3	0.0	4.4	1.0	7.2	0.2	1.3	0.3	7.5	1.5	6.4	70.3	0.0	6.4	63.5	77.0
Denmark	290	71.0	0.0	0.9	1.7	10.8	0.0	0.5	0.4	4.6	0.6	9.3	71.0	0.3	9.0	68.6	72.4
England	226	59.4	0.3	3.1	1.7	18.7	0.6	4.5	0.0	9.0	1.0	1.8	59.7	0.0	1.8	54.1	65.9
France	370	51.6	2.2	2.3	1.4	18.9	0.0	2.6	0.0	8.4	1.7	10.8	53.8	0.4	10.4	45.2	65.1
Germany	350	66.9	0.8	2.9	0.6	8.0	0.0	0.0	0.6	5.3	1.4	13.5	67.7	0.1	13.4	67.9	67.4
Greece	500	40.3	1.3	1.7	0.7	28.7	2.5	2.0	0.9	9.8	0.7	11.3	41.6	0.0	11.3	31.9	50.4
Hong Kong	419	62.7	0.0	4.4	0.8	7.3	0.0	0.5	0.2	9.5	1.7	13.0	62.7	0.3	12.7	49.8	72.6
Hungary	335	58.5	0.4	0.6	0.0	3.7	0.0	1.1	0.0	25.1	0.6	10.1	58.9	0.0	10.1	45.5	71.5
Iceland	215	69.5	1.9	2.5	2.3	10.3	0.2	0.4	0.0	5.0	0.7	7.2	71.4	0.9	6.4	65.1	76.0
Iran, Islamic Rep.	448	33.7	0.3	4.1	0.0	26.3	1.7	4.7	1.7	19.2	0.3	7.8	34.0	0.0	7.8	23.9	41.4
Ireland	386	62.1	1.2	7.2	0.7	17.9	0.2	1.0	0.0	5.7	0.9	3.1	63.3	0.0	3.1	57.3	69.0
Israel	167	48.6	0.7	1.0	0.5	18.4	1.1	1.1	1.4	6.9	0.6	19.6	49.3	2.6	17.0	44.7	57.3
Japan	643	74.7	0.0	1.1	2.1	7.6	0.5	4.2	0.2	6.6	0.3	2.8	74.7	0.0	2.8	71.0	77.8
Korea	355	63.3	1.5	3.2	1.9	8.0	0.3	2.7	1.3	10.3	0.0	7.4	64.8	0.0	7.4	57.7	70.9
Kuwait	209	46.1	1.0	2.7	0.3	14.8	0.0	4.1	0.0	15.6	2.4	13.1	47.1	0.5	12.6	55.9	39.0
Latvia (LSS)	304	50.3	0.6	2.2	1.3	8.6	4.0	2.6	1.5	9.0	2.2	17.8	51.0	1.3	16.5	41.8	61.0
Lithuania	309	50.8	1.6	2.4	1.5	5.5	0.3	1.2	1.2	16.2	0.7	18.6	52.4	1.5	17.0	45.3	62.7
Netherlands	242	65.1	0.0	3.7	2.1	14.7	1.2	0.0	0.0	6.2	1.1	5.8	65.1	1.4	4.4	59.7	71.4
New Zealand	462	63.1	0.6	3.3	3.4	15.5	0.4	1.5	0.7	5.5	0.6	5.5	63.7	0.0	5.5	57.6	69.6
Norway	401	75.6	0.0	3.0	1.2	3.6	0.3	0.2	0.0	9.3	1.7	5.2	75.6	0.0	5.2	71.9	79.2
Philippines	761	34.6	0.9	5.4	1.8	5.1	1.4	1.1	4.2	27.3	2.8	15.4	35.5	0.0	15.4	33.7	37.7
Portugal	422	47.3	1.8	3.0	1.5	17.4	0.7	0.9	0.7	15.2	2.2	9.3	49.1	0.2	9.0	42.5	56.0
Romania	462	36.1	1.2	2.5	1.0	18.5	1.1	0.9	1.4	13.2	0.4	23.7	37.3	0.9	22.9	34.2	41.5
Russian Federation	489	60.8	1.1	0.6	0.8	12.3	0.9	2.4	0.4	6.2	1.3	13.1	62.0	1.4	11.7	52.5	73.6
Scotland	352	55.0	1.2	1.7	1.0	21.2	0.9	0.7	0.5	12.3	0.3	5.4	56.1	0.0	5.4	48.1	64.0
Singapore	586	64.8	0.0	7.3	0.7	12.7	0.2	0.3	0.0	9.4	0.1	4.5	64.8	0.5	4.0	60.6	69.3
Slovak Republic	428	58.5	4.5	3.4	1.3	8.0	0.2	1.7	0.2	7.1	0.9	14.2	63.0	0.0	14.2	55.0	71.7
Slovenia	332	57.8	2.7	2.0	2.4	9.2	1.6	4.5	0.0	7.8	1.4	10.7	60.4	0.7	10.1	45.8	74.8
South Africa	541	8.2	0.4	5.7	0.0	4.6	1.2	0.7	7.7	28.3	1.8	41.4	8.6	2.9	38.5	6.7	10.5
Spain	468	63.1	0.4	2.5	1.1	14.1	0.7	0.7	0.9	7.7	0.2	8.4	63.5	0.0	8.4	55.8	72.2
Sweden	460	78.5	0.5	2.4	0.8	6.6	0.9	1.2	0.0	3.8	1.8	3.6	79.0	0.0	3.6	75.1	82.8
Switzerland	604	69.1	1.3	2.4	1.2	10.1	0.2	2.3	0.8	7.0	2.1	3.5	70.5	0.4	3.1	71.2	69.8
Thailand	703	51.2	0.0	4.4	0.0	15.5	0.4	3.4	0.0	18.8	0.0	6.2	51.2	0.5	5.7	48.4	56.0
United States	879	56.0	0.2	3.9	1.6	21.8	0.3	0.1	0.1	10.4	0.8	4.9	56.1	0.4	4.5	49.7	61.0
INTERNATIONAL AVG	.	54.7	2.2	3.1	1.3	12.5	0.8	1.9	0.7	11.0	1.0	10.8	56.9	0.7	10.2	51.2	62.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O15 KEY: B
 Relate the loss of an electron from a neutral atom to ion formation. (Chemistry)
 Difficulty: 656

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	18.1	30.6	11.3	37.9	2.1	30.6	0.0	0.7	1.3	31.7	29.6
Austria	350	8.5	64.2	1.5	23.0	2.9	64.2	0.0	0.2	2.7	57.5	70.4
Belgium (Fl)	365	21.9	20.2	7.7	47.0	3.3	20.2	0.0	0.0	3.3	13.8	26.8
Belgium (Fr)	334	16.5	24.8	8.6	36.6	13.5	24.8	0.8	1.7	11.0	17.4	31.4
Bulgaria	302	8.9	69.9	5.5	10.9	4.8	69.9	0.5	2.3	1.9	70.6	69.1
Canada	1014	24.1	25.3	9.7	40.3	0.5	25.3	0.0	0.0	0.5	25.4	24.6
Colombia	329	8.0	40.0	7.2	38.2	6.6	40.0	0.5	5.2	0.9	40.7	39.6
Cyprus	297	20.3	22.1	13.7	39.4	4.5	22.1	0.0	1.4	3.1	20.9	23.7
Czech Republic	412	5.8	72.7	2.0	18.6	0.9	72.7	0.2	0.0	0.7	76.4	69.1
Denmark	290	16.2	16.6	15.4	43.8	8.0	16.6	0.3	0.3	7.4	14.8	18.0
England	226	23.8	27.6	8.3	40.3	0.0	27.6	0.0	0.0	0.0	27.4	27.8
France	370	11.0	40.3	6.1	37.7	4.9	40.3	0.7	0.4	3.8	38.9	39.6
Germany	354	10.5	37.5	4.3	35.9	11.8	37.5	1.2	0.4	10.2	41.5	34.1
Greece	500	10.0	53.4	6.1	29.3	1.2	53.4	0.3	0.0	0.9	49.7	56.6
Hong Kong	420	10.7	57.9	7.9	22.3	1.2	57.9	0.0	0.5	0.7	52.1	62.3
Hungary	335	3.0	72.9	1.9	20.6	1.6	72.9	0.3	0.0	1.2	70.8	74.9
Iceland	215	20.8	9.1	35.4	33.5	1.1	9.1	0.0	0.9	0.2	3.9	12.9
Iran, Islamic Rep.	448	20.2	40.1	20.4	18.3	1.0	40.1	0.5	0.0	0.5	46.7	35.3
Ireland	386	15.5	46.2	4.3	32.4	1.5	46.2	0.2	0.0	1.3	46.8	45.7
Israel	167	8.9	71.5	2.8	9.3	7.5	71.5	0.0	3.1	4.4	68.7	78.5
Japan	643	13.5	32.6	16.1	37.5	0.3	32.6	0.0	0.0	0.3	26.0	38.3
Korea	355	11.6	45.4	8.4	34.0	0.5	45.4	0.0	0.0	0.5	42.5	47.9
Kuwait	209	14.6	31.5	8.3	42.4	3.2	31.5	0.0	1.3	1.9	33.2	29.9
Latvia (LSS)	304	12.3	38.8	6.9	35.8	6.2	38.8	0.0	2.2	4.0	40.0	37.4
Lithuania	308	11.7	65.4	3.1	12.6	7.2	65.4	0.0	3.0	4.2	64.7	66.4
Netherlands	242	33.4	21.5	8.1	34.0	3.0	21.5	0.0	1.4	1.6	16.0	26.2
New Zealand	462	23.4	18.3	11.8	46.5	0.0	18.3	0.0	0.0	0.0	18.2	18.4
Norway	401	24.7	19.5	10.1	44.5	1.2	19.5	0.0	0.0	1.2	11.4	27.4
Philippines	761	22.2	23.7	14.7	38.4	1.1	23.7	0.0	0.0	1.1	25.0	22.0
Portugal	422	4.6	67.7	4.1	22.4	1.3	67.7	0.0	0.4	0.8	65.8	69.7
Romania	462	3.4	73.6	1.6	16.6	4.8	73.6	1.1	1.9	1.8	75.6	71.1
Russian Federation	489	6.7	74.6	1.8	11.9	5.0	74.6	0.0	1.7	3.2	77.5	71.1
Scotland	352	16.4	21.3	15.2	46.8	0.3	21.3	0.0	0.0	0.3	19.3	23.3
Singapore	586	17.5	50.9	8.7	21.1	1.8	50.9	0.0	0.5	1.3	47.9	53.7
Slovak Republic	428	4.1	76.8	0.6	17.8	0.8	76.8	0.0	0.2	0.6	75.9	77.8
Slovenia	332	2.2	80.1	3.0	13.4	1.3	80.1	0.3	0.7	0.3	79.6	80.7
South Africa	540	41.8	12.9	23.4	18.0	3.8	12.9	0.2	3.5	0.1	11.4	14.4
Spain	468	5.4	69.9	2.4	21.0	1.3	69.9	0.0	0.1	1.1	67.6	72.5
Sweden	460	10.7	43.8	5.2	39.6	0.7	43.8	0.0	0.0	0.7	45.0	42.3
Switzerland	604	22.3	22.4	15.1	37.8	2.5	22.4	0.0	0.4	2.1	18.3	26.1
Thailand	703	20.2	15.4	8.0	54.6	1.7	15.4	0.3	0.5	0.9	18.3	10.5
United States	879	14.2	47.0	8.6	27.5	2.8	47.0	0.0	0.5	2.3	43.8	49.4
INTERNATIONAL AVG	.	14.8	42.8	8.7	30.7	3.1	42.8	0.2	0.8	2.1	41.4	44.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O16
 Give reason for thirst on a hot day. (Life Science)
 Difficulty: 538

COUNTRY	N	NOT REACHED													OMIT	1.GIRL % Right	2.BOY % Right	
		10	11	12	13	19	70	71	72	76	79	90	99	V1				
Australia	893	6.9	42.9	0.7	12.9	0.9	3.9	17.4	2.7	0.7	5.6	0.7	4.6	64.4	0.7	3.9	63.2	65.5
Austria	350	1.5	25.6	1.8	39.0	2.1	3.7	11.6	3.0	1.0	7.7	0.0	3.0	70.0	0.2	2.9	63.8	75.7
Belgium (Fl)	365	2.7	56.5	0.4	7.6	6.5	0.4	12.6	4.1	3.6	3.9	0.2	1.4	73.7	0.0	1.4	74.6	72.9
Belgium (Fr)	334	0.0	0.0	0.0	0.0	63.1	0.0	0.0	0.0	0.0	31.2	0.0	5.6	63.1	1.7	3.9	63.9	63.4
Bulgaria	302	17.9	8.2	2.2	22.2	8.2	5.2	5.3	0.5	0.5	7.0	1.4	21.3	58.8	2.7	18.6	60.8	56.8
Canada	1014	6.5	28.6	2.7	16.3	3.9	4.4	25.2	3.4	1.3	5.9	0.3	1.5	58.0	0.0	1.5	58.3	58.2
Colombia	329	0.7	22.3	0.0	15.7	1.6	4.5	11.4	8.0	8.0	13.1	0.0	14.6	40.4	5.5	9.1	40.8	39.4
Cyprus	297	0.7	34.6	0.3	13.2	0.4	3.9	5.8	9.5	5.4	5.3	0.7	20.3	49.2	1.4	18.9	53.8	45.6
Czech Republic	412	2.6	41.6	0.8	25.3	2.2	1.6	12.1	2.4	1.7	3.9	1.2	4.6	72.4	0.0	4.6	75.3	69.6
Denmark	290	0.6	42.4	0.4	23.6	1.9	2.3	5.3	11.1	1.9	1.9	0.6	7.8	69.0	0.3	7.5	69.4	69.2
England	226	8.0	35.0	0.9	12.7	4.8	5.4	22.8	3.5	1.3	2.8	0.0	2.9	61.3	0.0	2.9	53.9	69.4
France	370	0.8	23.1	0.7	12.5	0.4	4.3	40.7	0.6	2.4	5.1	1.3	8.1	37.5	0.4	7.7	34.0	43.5
Germany	352	8.0	31.3	0.6	35.3	1.0	1.2	6.0	2.7	3.7	4.5	0.6	5.1	76.3	0.7	4.4	72.9	79.2
Greece	500	2.3	26.5	0.0	20.5	0.5	5.8	8.6	4.6	5.5	14.4	1.1	10.2	49.8	0.0	10.2	46.3	52.9
Hong Kong	419	2.1	28.3	1.4	50.3	0.2	0.0	2.4	1.7	0.6	6.3	0.5	6.3	82.3	0.5	5.8	83.3	81.5
Hungary	335	40.1	10.2	2.2	9.5	1.9	0.2	18.7	0.3	1.5	9.1	0.4	5.9	63.8	0.0	5.9	61.8	65.7
Iceland	215	1.1	26.9	1.1	25.5	4.7	10.8	15.9	2.6	2.0	5.7	1.0	2.6	59.3	0.9	1.7	46.1	68.8
Iran, Islamic Rep.	448	0.8	8.6	0.7	33.1	7.9	1.9	7.4	8.5	20.6	5.4	0.3	4.7	51.1	0.0	4.7	39.9	59.1
Ireland	386	3.6	32.1	1.6	13.1	0.5	6.1	29.0	6.5	1.6	3.2	0.7	2.2	50.8	0.0	2.2	46.8	54.6
Israel	167	10.5	38.2	0.0	13.9	8.0	1.7	14.4	1.6	0.7	4.6	0.0	6.5	70.5	3.1	3.4	66.8	77.8
Japan	643	9.1	46.4	4.6	8.8	19.0	0.5	4.0	0.1	3.6	2.6	0.5	0.8	87.9	0.0	0.8	89.2	86.8
Korea	355	22.0	25.1	0.8	28.7	1.9	1.8	4.9	1.3	3.8	6.2	0.0	3.5	78.5	0.0	3.5	78.1	78.8
Kuwait	209	21.0	4.1	6.9	5.4	9.4	14.5	2.5	2.5	5.0	12.2	1.0	15.3	46.9	1.3	14.0	48.8	45.1
Latvia (LSS)	307	5.9	10.4	0.5	15.0	1.4	7.2	12.7	2.4	8.8	12.3	1.2	22.3	33.2	2.8	19.5	28.8	38.0
Lithuania	309	2.8	7.4	4.3	12.8	0.2	4.2	17.4	2.0	7.0	13.3	1.0	27.7	27.5	3.9	23.8	28.8	25.7
Netherlands	242	1.5	26.8	0.5	36.0	1.8	2.2	15.8	3.4	2.9	7.6	0.2	1.4	66.6	1.4	0.0	60.8	72.6
New Zealand	462	5.2	23.5	2.7	26.5	4.4	5.5	18.8	3.7	1.1	4.4	0.3	3.9	62.3	0.0	3.9	63.2	61.4
Norway	401	2.1	48.4	0.4	17.8	0.0	5.2	9.9	3.9	0.8	5.5	1.3	4.6	68.7	0.0	4.6	63.9	73.4
Philippines	761	8.9	4.7	0.7	10.5	3.8	3.3	6.7	1.4	10.9	25.6	3.2	20.2	28.6	0.1	20.1	27.9	29.6
Portugal	422	3.8	33.2	2.0	21.2	2.8	4.3	8.6	3.2	3.8	9.3	1.7	6.0	63.0	0.4	5.5	63.7	62.3
Romania	462	8.9	12.0	0.9	23.1	3.4	4.3	4.4	1.4	5.5	13.9	1.9	20.3	48.3	1.9	18.5	48.7	47.8
Russian Federation	489	3.5	18.2	2.4	27.2	1.5	6.0	8.3	0.5	4.1	6.4	3.1	18.8	52.6	1.9	16.9	52.8	52.5
Scotland	352	4.5	32.3	0.5	14.9	6.3	3.8	25.2	2.5	1.1	6.4	0.0	2.5	58.6	0.0	2.5	52.0	65.0
Singapore	586	5.7	53.4	3.0	29.9	0.1	0.7	2.9	0.6	0.7	0.8	0.0	2.2	92.1	0.5	1.7	92.1	92.4
Slovak Republic	430	3.3	26.3	1.2	32.9	2.9	3.2	10.8	4.9	3.7	2.3	0.4	8.0	66.7	0.2	7.8	63.0	70.7
Slovenia	332	7.8	30.3	3.2	26.8	4.3	1.5	6.6	3.0	3.5	8.7	0.3	4.2	72.4	0.7	3.5	71.1	73.7
South Africa	541	1.3	4.5	0.2	3.7	2.5	6.3	6.0	3.5	13.8	23.4	2.2	32.7	12.2	3.5	29.2	9.4	15.0
Spain	468	3.9	34.8	1.4	15.3	4.0	6.4	6.6	7.6	7.5	5.3	0.0	7.1	59.5	0.1	7.0	52.5	67.3
Sweden	460	2.4	48.5	1.2	14.3	2.3	1.0	8.8	4.5	3.6	5.4	2.3	5.8	68.6	0.3	5.5	65.5	71.6
Switzerland	604	3.7	46.2	0.8	16.5	0.9	2.2	11.4	2.9	2.4	9.3	0.5	3.2	68.2	0.4	2.8	62.7	73.3
Thailand	703	2.0	59.7	1.3	11.6	2.8	3.9	5.5	8.2	0.0	0.8	0.0	4.2	77.5	0.7	3.5	77.2	78.1
United States	879	6.7	33.0	1.8	22.3	0.4	4.3	14.0	6.4	0.5	5.6	0.2	4.9	64.2	0.5	4.5	63.0	65.1
INTERNATIONAL AVG	.	6.0	28.4	1.4	19.6	4.7	3.8	11.5	3.5	3.8	8.0	0.8	8.5	60.1	0.9	7.6	58.1	62.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O17
 Describe how disease may be transmitted. (Life Science)
 Difficulty: 556

COUNTRY	N	NOT REACH ED										1.GIRL % Right	2.BOY % Right	
		10	11	12	19	70	79	90	99	V1	OMIT			
Australia	893	13.3	25.3	15.2	1.3	14.3	10.7	3.2	16.8	55.1	2.6	14.2	57.4	53.0
Austria	350	28.3	35.1	0.0	0.0	28.9	3.3	2.2	2.1	63.4	0.6	1.5	69.0	57.8
Belgium (Fl)	365	12.6	6.3	24.0	2.8	42.6	8.9	1.3	1.6	45.7	0.0	1.6	50.0	41.3
Belgium (Fr)	334	0.0	0.0	0.0	49.3	0.0	45.6	0.0	5.1	49.3	2.9	2.2	54.9	44.0
Bulgaria	302	26.3	2.0	13.7	8.1	27.5	6.3	0.2	15.9	50.1	10.0	5.9	49.0	51.3
Canada	1014	10.4	25.7	18.9	1.5	15.6	9.6	6.2	12.1	56.5	0.3	11.8	59.4	53.7
Colombia	329	3.0	23.4	16.0	4.9	22.7	17.2	0.0	12.7	47.4	8.2	4.5	53.2	41.7
Cyprus	297	6.0	3.2	5.4	0.0	38.8	33.1	0.0	13.4	14.6	7.1	6.3	17.3	12.3
Czech Republic	412	15.9	12.6	37.5	1.5	26.2	3.2	0.7	2.4	67.6	0.2	2.1	71.1	64.1
Denmark	290	14.5	32.3	29.5	0.0	12.9	1.9	0.9	8.0	76.3	3.6	4.3	76.9	76.2
England	226	33.2	23.0	20.0	1.7	19.1	0.8	0.0	2.2	77.8	0.0	2.2	74.4	81.5
France	370	14.9	6.9	24.2	1.9	45.1	2.3	0.0	4.6	47.9	1.1	3.5	59.1	36.1
Germany	351	17.0	9.0	25.1	2.6	29.8	5.0	0.6	10.8	53.8	2.6	8.2	56.8	50.8
Greece	500	14.6	23.4	38.8	0.2	16.2	4.5	0.8	1.5	77.1	0.4	1.0	83.3	71.5
Hong Kong	420	17.8	3.4	5.2	1.2	55.1	4.5	0.3	12.5	27.6	3.1	9.4	25.0	29.6
Hungary	335	18.5	7.1	39.9	0.7	17.1	13.1	0.7	2.9	66.2	0.0	2.9	66.8	65.6
Iceland	215	17.4	37.8	28.0	1.5	9.8	2.2	0.2	3.2	84.6	1.1	2.1	90.7	80.2
Iran, Islamic Rep.	448	14.0	15.5	21.2	10.1	1.0	21.2	0.0	17.0	60.8	1.2	15.9	68.4	55.3
Ireland	386	16.0	12.6	28.4	2.1	37.7	2.5	0.0	0.7	59.1	0.2	0.5	63.6	54.8
Israel	167	12.8	38.8	23.6	3.0	9.1	1.5	0.0	11.2	78.2	5.2	6.0	69.4	85.7
Japan	643	26.5	0.2	21.6	42.2	2.9	4.5	0.2	1.9	90.6	0.2	1.7	91.8	89.5
Korea	355	16.5	16.6	20.4	7.6	18.4	16.0	0.0	4.5	61.1	0.8	3.7	58.0	63.7
Kuwait	209	6.9	3.6	11.8	10.5	38.6	8.8	0.5	19.3	32.7	7.7	11.6	37.0	28.7
Latvia (LSS)	307	12.0	8.8	12.1	3.7	41.7	9.7	2.0	10.1	36.5	7.4	2.7	34.3	39.0
Lithuania	309	7.8	15.1	27.6	4.2	28.4	3.1	0.0	13.8	54.8	8.4	5.4	59.6	47.6
Netherlands	242	11.8	8.0	26.1	12.9	27.0	8.8	0.4	5.0	58.7	1.4	3.6	60.5	57.0
New Zealand	462	4.1	27.2	23.9	1.3	12.9	12.0	0.4	18.1	56.6	0.6	17.5	60.3	53.0
Norway	401	23.7	42.5	22.0	0.8	2.1	5.1	1.0	2.7	89.0	1.2	1.6	92.4	85.7
Philippines	761	10.4	2.6	7.2	1.3	9.5	33.0	2.6	33.4	21.6	10.2	23.1	23.3	19.4
Portugal	422	8.7	2.5	5.6	3.0	63.0	11.2	0.7	5.3	19.8	1.8	3.4	22.9	16.6
Romania	462	3.4	22.8	30.8	2.6	6.8	16.1	1.4	16.1	59.6	7.1	9.0	62.2	56.2
Russian Federation	489	4.8	14.7	35.7	1.8	35.2	0.8	0.3	6.7	57.0	3.8	3.0	62.2	50.6
Scotland	352	9.8	8.7	39.5	0.6	36.1	2.4	0.0	2.8	58.6	0.3	2.5	66.5	51.6
Singapore	586	33.6	12.4	24.1	2.9	21.3	3.7	0.0	2.0	73.0	0.8	1.2	75.9	70.3
Slovak Republic	430	12.9	14.9	24.5	3.8	23.3	14.8	0.2	5.7	56.1	1.9	3.8	55.9	56.2
Slovenia	332	12.0	8.8	33.7	3.6	27.9	7.6	1.2	5.2	58.1	1.9	3.3	59.7	56.6
South Africa	541	2.5	2.4	4.7	2.6	10.7	27.1	2.9	47.2	12.1	19.1	28.1	12.0	12.4
Spain	468	13.5	14.6	21.7	2.0	39.2	4.2	0.4	4.3	51.9	0.9	3.4	54.7	48.7
Sweden	460	17.7	10.8	25.3	13.6	13.3	8.6	2.3	8.3	67.5	0.5	7.8	79.1	57.0
Switzerland	604	17.4	8.4	32.5	1.0	34.2	3.3	0.2	3.1	59.2	0.6	2.5	61.0	57.5
Thailand	703	18.2	2.6	14.7	4.3	30.9	23.7	0.7	5.0	39.7	2.0	3.0	43.5	33.9
United States	879	7.4	23.3	29.2	1.5	6.4	16.8	4.1	11.3	61.4	0.9	10.4	69.0	55.7
INTERNATIONAL AVG	.	14.0	14.6	21.7	5.3	23.8	10.4	0.9	9.3	55.6	3.1	6.2	58.5	52.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P01 KEY: B
 Extrapolate distance/time graph to determine distance travelled at fixed speed. (Physics)
 Difficulty: 358

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	3.5	90.2	2.4	3.3	0.5	90.2	0.0	0.3	0.3	91.6	88.9
Austria	350	3.1	87.0	5.6	3.5	0.8	87.0	0.0	0.0	0.8	87.0	86.4
Belgium (Fl)	351	6.0	83.6	7.7	0.7	2.1	83.6	0.0	0.0	2.1	83.4	83.8
Belgium (Fr)	330	5.2	85.7	2.9	3.9	2.4	85.7	0.2	0.7	1.4	86.0	85.4
Bulgaria	350	6.8	77.6	7.6	5.5	2.5	77.6	0.3	0.3	2.0	75.8	79.8
Canada	1030	3.2	91.8	1.9	2.7	0.4	91.8	0.0	0.0	0.4	91.4	93.0
Colombia	341	11.5	59.1	14.7	12.5	2.2	59.1	0.0	0.6	1.6	56.8	61.7
Cyprus	349	17.0	64.3	10.3	7.5	0.9	64.3	0.2	0.0	0.8	58.9	68.2
Czech Republic	422	4.6	89.7	2.0	2.7	1.1	89.7	0.0	0.0	1.1	86.3	92.8
Denmark	280	3.5	85.6	4.1	5.1	1.7	85.6	0.0	0.8	0.8	82.8	88.4
England	229	4.8	87.9	3.0	3.9	0.4	87.9	0.0	0.0	0.4	87.3	88.3
France	370	1.3	97.1	0.9	0.5	0.2	97.1	0.0	0.0	0.2	97.2	97.2
Germany	352	5.4	84.4	5.0	2.2	2.9	84.4	0.0	0.3	2.7	82.7	87.9
Greece	499	11.2	71.4	6.7	9.4	1.4	71.4	0.0	0.0	1.4	66.6	75.6
Hong Kong	416	4.3	88.9	3.0	3.2	0.7	88.9	0.0	0.0	0.7	85.8	91.1
Hungary	368	6.0	83.1	2.4	7.6	0.9	83.1	0.0	0.6	0.3	84.7	81.3
Iceland	211	4.7	85.6	7.4	2.3	0.0	85.6	0.0	0.0	0.0	88.4	82.9
Iran, Islamic Rep.	464	13.8	64.8	11.1	9.5	0.8	64.8	0.0	0.1	0.7	61.3	67.6
Ireland	378	4.1	92.2	1.0	2.5	0.2	92.2	0.0	0.0	0.0	93.0	91.4
Israel	158	6.5	83.1	3.8	5.9	0.6	83.1	0.0	0.6	0.0	82.0	86.9
Japan	632	3.4	94.1	1.5	1.0	0.0	94.1	0.0	0.0	0.0	94.3	93.9
Korea	364	5.7	90.0	3.3	1.0	0.0	90.0	0.0	0.0	0.0	92.2	88.0
Kuwait	209	8.8	44.7	27.9	15.0	3.6	44.7	0.0	1.3	2.3	48.3	41.0
Latvia (LSS)	302	7.1	81.8	6.0	3.9	1.3	81.8	0.0	0.8	0.5	81.2	82.4
Lithuania	306	6.3	77.2	6.9	4.0	5.7	77.2	0.0	0.8	4.9	72.7	83.8
Netherlands	250	2.4	94.9	0.4	0.8	1.5	94.9	0.0	0.8	0.7	93.6	96.3
New Zealand	459	2.3	91.6	2.8	2.8	0.6	91.6	0.0	0.6	0.0	93.6	89.6
Norway	398	4.8	89.0	3.3	2.5	0.3	89.0	0.0	0.0	0.3	92.2	86.0
Philippines	728	13.0	53.3	28.8	4.5	0.3	53.3	0.0	0.0	0.3	53.0	53.5
Portugal	428	5.8	88.7	2.3	2.5	0.7	88.7	0.0	0.2	0.5	85.3	92.3
Romania	464	10.2	66.7	9.1	9.4	4.6	66.7	0.4	0.4	3.8	63.0	70.3
Russian Federation	485	5.2	83.4	6.6	3.6	1.2	83.4	0.3	0.0	0.9	83.8	82.9
Scotland	355	1.7	91.8	4.3	1.6	0.7	91.8	0.0	0.3	0.5	94.9	88.9
Singapore	580	1.2	96.0	1.4	0.9	0.6	96.0	0.0	0.5	0.2	96.9	95.1
Slovak Republic	427	7.4	86.4	3.8	2.3	0.2	86.4	0.0	0.0	0.2	84.4	88.7
Slovenia	328	4.4	92.0	1.8	1.9	0.0	92.0	0.0	0.0	0.0	91.3	92.5
South Africa	509	18.6	58.9	7.8	12.2	2.5	58.9	0.4	1.2	0.9	57.2	60.7
Spain	472	4.7	84.5	5.5	4.5	0.8	84.5	0.0	0.0	0.8	81.5	87.5
Sweden	540	4.0	88.4	4.6	2.9	0.0	88.4	0.0	0.0	0.0	87.1	89.6
Switzerland	615	4.2	89.6	3.3	2.1	0.9	89.6	0.0	0.0	0.9	88.6	90.7
Thailand	687	7.2	83.2	5.4	3.8	0.4	83.2	0.0	0.1	0.3	83.7	82.8
United States	872	5.6	86.6	4.0	2.9	0.9	86.6	0.0	0.1	0.7	82.9	89.9
INTERNATIONAL AVG	.	6.2	82.5	5.8	4.3	1.2	82.5	0.0	0.3	0.9	81.7	83.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P02
 Explain relationship between illuminance and distance of light source. (Physics)
 Difficulty: 770

COUNTRY	N												NOT REACH	OMIT	1.GIRL	2.BOY	
		10	11	12	19	70	71	72	73	79	90	99	ED		% Right	% Right	
Australia	919	6.8	18.0	2.0	1.1	32.6	10.6	6.3	5.4	15.0	0.0	2.2	27.9	0.3	1.9	22.8	32.7
Austria	350	2.2	8.6	0.2	0.0	43.8	12.6	7.2	6.6	16.6	1.0	1.2	11.0	0.0	1.2	6.6	16.6
Belgium (Fl)	351	6.4	17.3	3.1	4.3	46.5	9.9	0.7	1.4	7.2	1.0	2.4	31.0	0.0	2.4	28.4	33.6
Belgium (Fr)	329	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0	79.7	0.0	5.4	14.9	0.8	4.6	16.7	13.5
Bulgaria	350	20.9	5.3	1.3	1.9	11.8	30.0	1.1	22.6	0.8	0.0	4.3	29.4	0.3	4.0	26.7	32.6
Canada	1030	4.4	18.8	0.3	5.9	41.6	7.6	3.4	3.2	13.7	0.4	0.7	29.3	0.1	0.6	30.3	28.7
Colombia	341	0.3	2.0	0.5	3.5	34.0	4.2	7.6	7.5	37.1	0.4	2.8	6.3	0.8	2.0	2.0	11.1
Cyprus	349	2.7	1.5	1.3	0.7	39.9	26.5	1.7	11.4	9.9	0.0	4.3	6.2	0.0	4.3	8.4	4.6
Czech Republic	422	4.7	12.2	3.2	2.7	34.4	19.9	6.5	4.2	11.9	0.0	0.1	22.9	0.0	0.1	20.9	24.9
Denmark	280	1.2	20.8	0.0	3.9	24.6	23.6	0.0	15.0	4.9	0.2	5.9	25.9	0.8	5.1	23.8	28.1
England	229	2.4	26.7	1.6	3.7	38.0	5.0	9.3	2.3	9.9	0.0	0.9	34.5	0.0	0.9	32.0	36.6
France	370	6.6	6.4	2.2	3.7	25.1	13.3	8.9	12.0	17.0	0.3	4.6	18.9	0.0	4.6	17.0	20.1
Germany	343	5.8	12.5	2.3	1.7	32.5	24.0	4.3	6.9	6.3	0.2	3.6	22.2	0.3	3.3	20.5	23.8
Greece	499	1.1	10.4	5.2	11.5	24.4	13.2	10.8	8.7	9.5	0.2	5.3	28.1	0.0	5.3	28.7	27.5
Hong Kong	411	3.8	10.9	0.7	1.2	19.4	24.2	5.4	13.2	19.0	0.0	2.3	16.5	0.0	2.3	12.7	19.6
Hungary	368	18.0	16.8	2.2	3.4	27.4	12.9	0.3	8.2	4.3	0.0	6.6	40.4	0.6	5.9	39.3	41.8
Iceland	211	0.6	9.5	0.7	2.8	44.0	13.4	7.2	7.3	14.2	0.0	0.2	13.6	0.0	0.2	15.6	11.7
Iran, Islamic Rep.	464	0.0	1.0	0.5	35.2	20.6	6.6	0.2	6.8	26.8	0.3	2.0	36.7	0.1	2.0	28.4	42.6
Ireland	378	3.7	15.1	0.3	1.7	39.4	7.9	9.9	2.6	17.5	0.2	1.6	20.8	0.0	1.6	19.1	22.6
Israel	158	8.6	30.9	2.4	1.3	25.9	10.6	4.5	6.0	2.2	0.6	7.1	43.1	0.6	6.5	33.9	52.4
Japan	632	11.5	3.0	1.7	21.0	11.7	4.9	18.5	4.9	21.7	0.3	0.8	37.2	0.0	0.8	32.7	41.6
Korea	364	10.6	16.8	6.7	3.2	34.8	3.0	10.1	1.8	11.4	0.0	1.6	37.3	0.0	1.6	36.0	38.4
Kuwait	209	5.5	3.7	7.0	7.8	23.1	10.8	15.9	7.8	8.2	0.0	10.2	24.0	1.3	8.9	23.6	24.5
Latvia (LSS)	301	9.0	7.8	0.6	3.0	31.2	20.3	6.6	10.0	4.4	2.0	5.1	20.3	0.8	4.3	18.0	22.9
Lithuania	305	1.1	8.6	1.9	1.9	25.3	28.5	1.0	14.8	8.6	0.0	8.4	13.5	0.8	7.6	10.8	17.4
Netherlands	250	3.7	24.8	1.5	0.4	41.1	11.8	1.0	5.1	8.8	0.5	1.5	30.4	0.8	0.7	26.9	35.1
New Zealand	459	3.7	17.4	5.2	4.7	37.1	7.3	3.7	2.7	16.9	0.0	1.2	31.0	0.6	0.6	30.8	31.2
Norway	398	6.2	18.0	0.0	0.9	27.5	9.7	17.3	10.1	9.3	0.3	0.7	25.0	0.0	0.7	22.7	27.3
Philippines	727	5.9	1.9	0.3	2.2	19.7	11.8	12.2	3.2	37.1	1.9	3.7	10.3	0.0	3.7	7.0	14.8
Portugal	428	4.2	8.7	0.4	4.2	38.5	9.0	11.2	6.1	13.8	0.7	3.3	17.4	0.2	3.0	14.6	20.3
Romania	465	3.2	5.9	1.5	4.8	14.3	25.2	6.0	15.4	8.5	0.8	14.5	15.4	0.4	14.1	14.0	16.8
Russian Federation	486	2.9	3.9	1.7	1.8	30.2	28.1	3.8	7.6	8.7	2.6	8.7	10.3	0.0	8.7	11.2	9.5
Scotland	355	4.4	14.4	1.0	2.7	41.6	10.9	6.3	4.2	12.2	0.3	2.0	22.5	0.3	1.8	18.6	26.0
Singapore	580	7.0	5.6	1.5	13.8	30.6	7.3	8.5	6.8	17.0	0.0	1.9	27.8	0.5	1.4	24.4	31.1
Slovak Republic	427	6.9	11.8	4.0	5.7	23.4	18.8	7.7	14.5	4.7	0.0	2.5	28.4	0.0	2.5	23.9	33.8
Slovenia	327	5.7	11.2	1.5	8.2	32.8	19.4	5.9	8.1	4.5	1.4	1.1	26.7	0.0	1.1	19.0	33.8
South Africa	510	0.2	0.7	1.2	1.8	12.4	28.9	7.2	15.1	20.3	0.4	11.8	3.9	1.2	10.5	3.7	4.2
Spain	472	3.3	11.2	1.3	4.4	36.6	8.5	17.5	2.3	12.1	0.5	2.2	20.2	0.0	2.2	17.8	22.6
Sweden	540	4.6	9.2	1.5	13.3	32.7	13.1	6.0	9.9	8.9	0.0	0.8	28.5	0.0	0.8	25.3	31.5
Switzerland	615	2.3	6.5	0.6	1.7	47.0	12.9	9.6	6.8	7.0	0.9	4.7	11.2	0.0	4.7	8.3	14.4
Thailand	687	1.2	3.2	0.3	0.2	39.3	11.6	10.5	2.9	27.1	0.0	3.7	4.9	0.1	3.6	5.7	3.6
United States	872	5.1	15.5	2.7	3.5	35.7	7.6	4.6	4.6	19.2	0.1	1.5	26.7	0.2	1.3	22.7	30.1
INTERNATIONAL AVG	.	5.0	10.8	1.8	5.1	30.3	13.9	6.8	7.5	14.6	0.4	3.7	22.7	0.3	3.4	20.3	25.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P03
 Give reason why planet would be uninhabitable from physical data table. (Earth Science)
 Difficulty: 389

COUNTRY	N											NOT REACH ED		1.GIRL % Right		2.BOY % Right	
		10	11	12	13	14	19	70	79	90	99	V1	ED	OMIT	% Right	% Right	
Australia	919	8.1	23.9	0.9	14.2	34.5	1.1	0.4	9.0	0.6	7.3	82.7	0.3	7.0	87.1	78.5	
Austria	350	4.5	16.4	0.6	10.0	47.1	0.1	0.2	12.4	2.8	5.9	78.7	0.0	5.9	81.3	74.7	
Belgium (Fl)	351	12.1	30.9	1.9	9.0	14.4	16.3	0.0	7.2	0.0	8.3	84.5	0.0	8.3	85.9	83.3	
Belgium (Fr)	329	0.0	0.0	0.0	0.0	0.0	78.2	0.0	8.3	0.0	13.5	78.2	0.8	12.8	85.7	72.3	
Bulgaria	350	14.2	18.8	3.3	19.0	12.0	4.1	0.3	2.3	1.4	24.6	71.4	0.3	24.3	76.5	65.4	
Canada	1030	9.2	22.9	1.1	19.2	34.1	2.8	0.4	5.9	0.2	4.1	89.4	0.1	4.0	92.4	86.9	
Colombia	341	0.2	13.7	0.0	17.8	33.9	1.4	0.2	17.3	2.1	13.5	67.0	0.8	12.6	70.7	63.3	
Cyprus	349	11.6	38.4	0.0	5.5	15.9	1.6	0.4	3.6	0.8	22.2	73.0	0.0	22.2	82.1	66.5	
Czech Republic	422	4.5	16.3	0.7	27.1	38.4	1.0	0.5	7.3	0.0	4.3	88.0	0.0	4.3	90.3	85.7	
Denmark	280	2.2	7.9	0.0	32.1	22.5	2.1	0.6	12.7	0.2	19.8	66.7	0.8	19.0	57.1	75.5	
England	229	5.9	21.5	0.0	15.2	41.5	4.5	0.5	7.9	0.4	2.7	88.5	0.0	2.7	94.1	83.9	
France	370	9.3	11.6	0.1	18.7	44.2	2.1	0.6	7.4	0.4	5.5	86.1	0.0	5.5	88.1	84.9	
Germany	344	5.8	18.0	1.2	12.2	39.2	1.3	0.5	6.6	0.7	14.4	77.7	0.3	14.1	79.8	77.6	
Greece	499	8.9	26.9	0.7	19.5	15.8	6.6	0.0	9.2	0.4	12.0	78.5	0.0	12.0	82.3	75.1	
Hong Kong	412	0.5	28.3	0.0	10.0	7.2	3.8	0.3	36.3	0.2	13.4	49.8	0.0	13.4	48.1	51.3	
Hungary	368	1.6	11.8	0.3	8.7	61.3	5.3	0.0	2.4	0.0	8.6	89.0	0.6	8.0	89.9	88.0	
Iceland	211	2.9	20.0	7.0	20.2	39.3	1.5	0.2	1.5	0.2	7.1	90.9	0.0	7.1	98.3	83.9	
Iran, Islamic Rep.	464	0.0	13.9	1.1	11.0	14.4	25.9	0.0	17.0	0.3	16.4	66.3	0.1	16.3	65.5	67.0	
Ireland	378	5.8	24.9	1.4	17.9	39.1	1.3	1.1	6.1	0.0	2.4	90.4	0.0	2.4	93.8	87.0	
Israel	158	2.3	15.9	3.0	20.3	35.9	2.0	2.5	5.6	0.0	12.5	79.5	0.6	11.9	81.6	76.6	
Japan	632	9.2	14.2	1.9	29.1	29.1	0.0	1.5	10.5	0.6	3.9	83.5	0.0	3.9	80.0	86.8	
Korea	364	25.7	21.5	1.4	32.1	6.0	2.9	0.8	6.9	0.0	2.8	89.5	0.0	2.8	90.0	89.0	
Kuwait	209	16.3	19.4	0.8	9.0	11.2	4.1	0.0	11.9	4.5	23.0	60.6	1.3	21.7	77.8	43.1	
Latvia (LSS)	301	2.0	18.8	1.1	23.3	25.7	1.7	1.3	7.4	2.6	16.1	72.6	0.8	15.3	69.4	76.3	
Lithuania	305	2.6	14.9	0.8	16.0	25.5	3.1	0.7	4.9	0.3	31.2	63.0	0.8	30.4	60.8	66.2	
Netherlands	250	3.8	22.0	0.0	16.3	45.2	0.8	0.0	4.2	0.7	7.1	88.1	0.8	6.3	88.3	87.4	
New Zealand	459	4.1	25.7	1.1	19.6	37.0	1.2	0.4	5.7	0.0	5.2	88.7	0.6	4.6	91.6	85.9	
Norway	398	1.9	13.9	0.2	20.4	53.0	1.2	0.6	3.9	0.6	4.3	90.7	0.0	4.3	93.5	87.9	
Philippines	728	8.0	9.8	0.5	11.0	22.8	3.4	0.5	16.9	3.6	23.5	55.5	0.0	23.5	58.3	51.9	
Portugal	428	7.2	18.0	0.8	11.9	41.0	3.0	0.6	11.6	0.7	5.0	82.0	0.2	4.8	83.0	81.0	
Romania	465	10.8	17.2	1.0	13.9	20.6	1.4	0.2	6.9	0.4	27.6	65.0	1.0	26.6	64.0	65.9	
Russian Federation	486	7.2	17.1	1.7	19.9	34.7	1.4	0.2	2.8	1.8	13.4	81.9	0.0	13.4	84.9	78.8	
Scotland	355	8.6	32.4	1.4	16.7	23.3	1.8	0.0	9.2	0.3	6.2	84.3	0.3	6.0	86.8	81.9	
Singapore	580	7.4	26.6	1.4	18.3	39.4	2.5	0.4	1.8	0.0	2.1	95.6	0.5	1.6	95.9	95.4	
Slovak Republic	427	8.6	15.1	0.5	29.5	26.5	6.5	1.3	5.6	0.2	6.2	86.6	0.0	6.2	88.2	84.7	
Slovenia	327	6.0	17.6	2.3	15.3	40.6	6.1	0.2	6.3	0.8	4.7	88.0	0.0	4.7	88.8	87.3	
South Africa	510	4.9	10.8	2.2	3.7	2.5	1.4	1.5	31.3	1.0	40.7	25.5	1.2	39.5	24.5	27.3	
Spain	472	2.8	14.6	0.7	21.8	48.5	0.3	0.3	6.0	0.2	4.8	88.8	0.0	4.8	89.5	88.2	
Sweden	540	2.6	14.4	1.7	14.9	53.5	2.3	0.4	4.3	1.7	4.1	89.5	0.0	4.1	90.2	88.7	
Switzerland	615	3.5	22.7	0.7	13.6	41.8	2.2	0.4	7.3	0.6	7.3	84.4	0.0	7.3	86.1	82.4	
Thailand	687	2.8	26.6	0.3	10.4	30.7	0.4	0.2	17.7	0.0	10.9	71.1	0.2	10.7	74.2	65.8	
United States	872	5.4	26.1	0.7	25.0	27.0	2.3	0.7	7.0	1.1	4.7	86.4	0.3	4.5	89.3	83.9	
INTERNATIONAL AVG	.	6.2	19.1	1.1	16.6	30.4	5.1	0.5	9.0	0.8	11.3	78.5	0.3	11.0	80.6	76.5	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P04 KEY: E
 Identify what happens to animals' biological processes during hibernation. (Life Science)
 Difficulty: 559

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	4.8	6.0	7.6	31.5	49.4	0.7	49.4	0.0	0.3	0.4	48.1	50.6
Austria	350	0.6	2.2	7.5	9.0	77.2	3.5	77.2	0.4	0.0	3.1	75.8	78.9
Belgium (Fl)	351	3.0	0.7	10.7	12.1	72.4	1.1	72.4	0.0	0.0	1.1	70.7	74.0
Belgium (Fr)	330	5.9	1.2	7.3	23.7	59.9	2.0	59.9	0.1	0.7	1.1	58.0	61.3
Bulgaria	350	0.1	1.4	7.6	13.2	71.1	6.6	71.1	3.7	0.5	2.4	66.8	76.2
Canada	1030	2.5	3.1	8.9	25.3	59.5	0.8	59.5	0.3	0.2	0.3	56.7	62.9
Colombia	341	16.6	17.9	12.0	18.7	26.6	8.2	26.6	0.0	1.1	7.1	22.7	31.0
Cyprus	349	13.1	6.7	14.8	19.8	44.2	1.4	44.2	0.3	0.0	1.1	40.7	47.3
Czech Republic	422	1.6	0.0	13.8	14.9	68.6	1.1	68.6	0.4	0.0	0.7	64.4	72.5
Denmark	280	3.0	0.8	7.4	37.5	47.8	3.5	47.8	0.3	0.8	2.4	47.9	48.3
England	229	4.8	3.7	4.5	33.3	52.9	0.9	52.9	0.0	0.0	0.9	46.9	57.7
France	370	3.5	1.9	12.8	13.2	66.3	2.3	66.3	1.6	0.0	0.7	62.0	70.3
Germany	352	1.7	1.9	10.0	9.2	72.0	5.2	72.0	2.9	0.3	2.1	72.1	74.2
Greece	499	14.2	6.4	12.7	26.9	38.2	1.5	38.2	0.5	0.3	0.7	33.6	42.3
Hong Kong	416	0.9	2.6	10.4	8.6	75.7	1.8	75.7	0.2	0.5	1.0	71.9	78.9
Hungary	368	1.8	1.4	3.8	18.3	72.3	2.3	72.3	0.0	0.6	1.7	73.5	71.0
Iceland	211	4.5	1.8	11.0	34.8	47.0	0.8	47.0	0.2	0.0	0.6	44.7	49.2
Iran, Islamic Rep.	464	7.5	5.4	7.8	29.7	48.7	0.9	48.7	0.1	0.1	0.7	42.4	53.6
Ireland	378	6.0	1.8	4.6	28.0	57.6	2.0	57.6	1.3	0.4	0.3	57.4	57.8
Israel	158	0.0	0.6	12.0	18.9	65.4	3.1	65.4	0.0	1.2	1.9	65.0	65.6
Japan	632	0.9	1.1	16.8	21.6	58.7	0.7	58.7	0.1	0.0	0.6	51.9	65.3
Korea	364	4.6	1.1	9.8	20.2	64.2	0.0	64.2	0.0	0.0	0.0	65.8	62.8
Kuwait	209	18.0	5.6	15.6	18.1	35.7	7.0	35.7	0.6	1.3	5.1	31.9	39.6
Latvia (LSS)	302	1.0	0.3	3.8	48.5	42.9	3.5	42.9	0.0	0.8	2.7	38.3	48.4
Lithuania	306	7.7	1.7	6.0	30.8	49.5	4.3	49.5	0.0	1.1	3.2	47.0	53.1
Netherlands	250	0.9	0.5	8.5	17.1	71.7	1.4	71.7	0.5	0.8	0.1	65.8	79.5
New Zealand	459	5.2	5.3	7.8	36.0	43.7	2.0	43.7	0.2	0.6	1.3	43.4	43.9
Norway	398	9.4	3.1	6.0	24.1	54.4	3.0	54.4	0.0	0.0	3.0	51.8	56.9
Philippines	727	15.7	14.9	20.9	19.9	27.9	0.7	27.9	0.1	0.0	0.6	27.2	28.9
Portugal	428	4.5	2.7	13.1	31.4	46.3	2.0	46.3	0.0	0.2	1.7	38.9	54.3
Romania	465	5.0	2.6	7.8	15.3	62.1	7.1	62.1	3.3	1.0	2.8	60.9	63.4
Russian Federation	486	1.1	1.0	5.1	15.1	75.0	2.7	75.0	0.5	0.1	2.1	79.8	70.0
Scotland	355	7.4	1.4	9.5	38.6	42.3	0.6	42.3	0.0	0.3	0.4	41.9	42.9
Singapore	580	9.5	17.4	12.9	12.4	43.5	4.3	43.5	0.0	0.5	3.8	39.5	47.3
Slovak Republic	427	1.5	0.9	11.6	21.8	63.8	0.4	63.8	0.0	0.0	0.4	56.4	72.8
Slovenia	328	2.2	0.9	4.3	19.2	71.3	2.1	71.3	1.4	0.0	0.8	65.6	76.6
South Africa	509	20.3	27.4	20.2	10.7	16.4	5.0	16.4	0.6	1.4	3.0	15.6	17.6
Spain	472	5.4	4.4	14.1	27.7	46.9	1.5	46.9	0.0	0.2	1.2	44.0	49.6
Sweden	540	1.5	2.3	13.8	20.7	60.9	0.7	60.9	0.4	0.0	0.4	53.2	68.4
Switzerland	615	4.0	2.9	5.2	19.0	67.5	1.4	67.5	1.2	0.0	0.2	62.8	72.8
Thailand	.	.	.	.	.	.	.	.	.	.	.	.	.
United States	872	3.2	3.2	8.7	26.2	57.4	1.2	57.4	0.0	0.3	1.0	53.4	60.8
INTERNATIONAL AVG	.	5.5	4.1	10.0	22.5	55.5	2.5	55.5	0.5	0.4	1.6	52.6	58.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P05
 Explain why balloon expands upon heating. (Physics)
 Difficulty: 549

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	19	70	71	76	79	90	99	V1				
Australia	919	8.6	15.8	27.7	11.0	1.6	0.8	27.8	1.0	5.7	52.1	0.3	5.4	49.0	55.1
Austria	350	12.5	51.1	0.0	3.2	3.2	2.0	22.5	1.8	3.5	63.7	0.0	3.5	58.9	68.5
Belgium (Fl)	351	10.1	47.9	2.7	11.3	4.1	2.0	14.8	0.3	6.9	60.7	0.0	6.9	57.2	64.1
Belgium (Fr)	330	0.0	0.0	53.4	0.0	0.0	0.0	30.2	0.0	16.4	53.4	0.7	15.6	51.8	55.2
Bulgaria	350	49.3	17.0	2.0	4.8	1.4	0.6	3.8	0.4	20.7	68.3	0.5	20.2	70.5	65.6
Canada	1030	5.1	22.4	21.8	12.4	4.0	0.2	30.3	0.1	3.6	49.4	0.2	3.3	48.3	50.6
Colombia	341	1.7	46.8	1.3	0.7	0.3	10.1	26.5	0.0	12.5	49.8	1.4	11.1	49.2	51.1
Cyprus	349	3.2	50.7	3.7	3.3	0.5	0.5	17.3	0.4	20.4	57.6	0.0	20.4	62.7	54.1
Czech Republic	422	4.2	59.6	6.1	4.4	0.5	0.2	22.9	0.4	1.8	69.9	0.0	1.8	64.9	74.7
Denmark	280	3.5	36.8	14.5	4.1	0.7	4.6	22.4	0.9	12.5	54.9	0.8	11.6	51.6	57.3
England	229	3.7	50.5	15.0	5.3	2.2	0.9	18.1	0.4	3.9	69.3	0.0	3.9	66.2	71.8
France	370	20.3	45.2	2.9	2.1	0.4	0.0	17.4	0.3	11.3	68.4	0.0	11.3	67.0	69.8
Germany	344	8.5	43.9	2.6	9.0	4.4	2.2	13.0	1.6	14.9	55.0	0.3	14.6	52.2	59.5
Greece	499	10.5	45.0	8.2	2.2	2.0	3.2	15.3	0.8	13.0	63.7	0.3	12.7	56.0	70.5
Hong Kong	415	0.5	38.6	1.4	19.2	2.8	0.8	25.7	0.0	11.0	40.5	0.5	10.5	39.4	41.5
Hungary	368	9.9	34.3	13.2	5.0	1.7	6.1	10.9	1.5	17.3	57.4	0.6	16.7	50.6	65.2
Iceland	211	8.0	41.5	8.0	4.7	4.2	1.5	23.8	1.9	6.3	57.5	0.0	6.3	53.0	61.9
Iran, Islamic Rep.	464	18.8	40.9	8.7	0.3	0.4	0.2	22.2	0.4	8.0	68.5	0.1	8.0	61.0	74.4
Ireland	378	4.6	39.2	14.9	9.5	1.0	1.0	27.8	0.0	2.0	58.7	0.4	1.6	50.8	66.7
Israel	158	15.7	57.5	3.0	8.0	1.8	1.4	3.3	0.6	8.8	76.2	1.2	7.6	76.2	75.5
Japan	632	1.2	56.2	9.8	1.4	5.6	0.0	20.6	0.7	4.5	67.2	0.0	4.5	63.0	71.4
Korea	364	31.9	35.1	8.2	3.4	5.0	2.9	11.1	0.0	2.4	75.2	0.0	2.4	78.5	72.1
Kuwait	209	26.1	20.3	4.6	3.9	2.7	3.1	14.8	1.7	22.9	50.9	2.0	20.9	61.8	39.8
Latvia (LSS)	301	13.2	40.6	2.1	9.1	3.1	1.0	15.8	2.0	13.1	55.8	0.8	12.2	46.1	67.2
Lithuania	305	1.4	57.9	1.7	2.0	1.1	0.6	17.7	0.3	17.4	61.0	1.1	16.3	57.1	66.7
Netherlands	250	3.3	47.1	0.6	6.0	4.7	0.0	36.4	0.4	1.5	51.0	0.8	0.7	39.8	63.4
New Zealand	459	4.7	38.3	5.0	14.2	8.5	2.1	22.2	0.5	4.5	48.1	0.6	3.9	48.9	47.3
Norway	398	1.5	66.1	1.8	2.2	0.4	0.0	22.1	1.8	4.1	69.3	0.0	4.1	67.5	71.2
Philippines	727	7.7	16.0	4.5	7.0	3.4	16.6	30.4	1.8	12.5	28.2	0.0	12.5	27.2	29.6
Portugal	428	19.2	27.1	5.1	1.3	1.1	3.0	33.8	0.2	9.3	51.4	0.2	9.1	45.0	58.2
Romania	464	10.4	41.5	2.0	4.2	1.9	1.1	15.2	0.6	23.2	53.8	1.0	22.2	49.5	58.1
Russian Federation	486	4.2	47.5	4.0	3.9	1.2	1.3	27.4	1.8	8.7	55.7	0.5	8.2	50.8	60.7
Scotland	355	3.1	39.7	4.5	8.2	3.2	1.1	34.6	0.0	5.5	47.4	0.3	5.2	40.2	54.0
Singapore	580	33.5	24.0	0.3	24.7	3.6	2.5	8.8	0.4	2.1	57.8	0.5	1.6	56.2	59.2
Slovak Republic	427	8.3	60.2	3.2	8.0	1.5	1.2	12.3	0.5	4.9	71.7	0.0	4.9	61.7	83.8
Slovenia	327	14.8	41.5	8.4	3.8	2.0	1.8	21.5	1.0	5.2	64.7	0.0	5.2	62.6	66.6
South Africa	510	5.3	6.2	5.4	3.1	4.6	9.2	30.8	1.2	34.4	16.8	1.4	32.9	13.9	20.3
Spain	472	7.8	56.6	2.2	2.3	3.6	2.8	17.4	0.0	7.3	66.6	0.2	7.0	61.7	71.4
Sweden	540	2.1	65.3	1.6	3.7	2.6	1.7	18.6	1.0	3.5	69.0	0.0	3.5	64.5	73.7
Switzerland	615	5.0	52.4	3.2	6.0	3.7	1.9	20.8	0.5	6.4	60.6	0.0	6.4	57.8	63.7
Thailand	687	18.5	38.2	7.7	4.4	1.2	8.8	14.3	0.0	6.9	64.4	0.2	6.7	63.5	65.0
United States	872	6.4	33.7	3.1	5.4	3.9	1.3	41.0	0.7	4.5	43.2	0.3	4.2	35.1	50.2
INTERNATIONAL AVG	.	10.2	40.4	7.1	5.9	2.5	2.4	21.0	0.7	9.6	57.7	0.4	9.2	54.5	61.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P06
 Describe digestion occurring in the mouth. (Life Science)
 Difficulty: 636

COUNTRY	N	20	21	22	29	10	11	19	70	71	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY
																REACH		% Right	% Right
															ED				
Australia	919	34.0	24.3	0.7	1.1	15.2	0.5	0.7	1.8	6.7	2.2	0.9	11.9	76.5	60.1	0.3	11.6	64.5	55.9
Austria	350	26.2	34.6	3.0	0.0	16.8	0.0	0.0	0.9	2.7	3.1	4.2	8.6	80.6	63.8	0.0	8.6	62.8	66.4
Belgium (Fl)	351	39.7	14.7	1.6	1.4	26.8	0.0	0.8	0.3	5.3	3.2	1.0	5.2	85.1	57.5	0.0	5.2	55.4	59.5
Belgium (Fr)	330	0.0	0.0	0.0	30.6	0.0	0.0	19.8	0.0	0.0	16.7	0.0	32.9	50.4	30.6	0.7	32.1	28.3	32.0
Bulgaria	350	30.2	4.8	2.8	0.3	18.3	1.3	0.0	1.0	13.7	1.9	0.4	25.2	57.8	38.2	0.7	24.5	36.9	39.8
Canada	1030	27.4	18.2	0.1	1.7	15.0	0.5	2.8	0.6	11.3	5.2	1.5	15.7	65.7	47.4	0.3	15.4	46.9	47.5
Colombia	341	32.0	0.0	0.3	1.0	15.9	0.0	13.5	0.3	1.6	13.9	0.0	21.5	62.7	33.3	1.7	19.8	34.4	32.5
Cyprus	349	26.0	5.5	0.4	0.5	7.8	0.8	1.3	0.8	0.0	7.5	1.8	47.8	42.2	32.3	0.0	47.8	39.6	26.8
Czech Republic	422	27.8	9.3	5.9	0.5	16.2	7.7	3.0	5.2	1.8	9.1	0.7	12.8	70.4	43.6	0.0	12.8	42.0	45.0
Denmark	280	20.6	11.3	2.4	0.9	13.3	0.5	1.2	6.9	4.6	6.7	0.0	31.6	50.2	35.3	1.1	30.5	31.8	38.5
England	229	27.3	24.2	3.9	6.8	8.3	0.0	0.0	0.3	14.4	2.6	1.2	11.1	70.4	62.1	0.0	11.1	65.8	59.1
France	370	15.7	3.4	0.0	2.7	23.4	0.4	1.5	0.4	4.2	11.8	2.2	34.4	47.0	21.8	0.0	34.4	21.5	22.7
Germany	345	18.9	22.3	2.6	2.4	19.6	1.9	2.5	1.0	1.3	1.9	1.5	24.1	70.2	46.2	0.3	23.8	48.0	44.7
Greece	499	27.0	26.5	0.2	2.5	17.9	0.0	1.9	0.3	0.2	8.3	1.5	13.8	76.0	56.2	0.5	13.2	56.7	55.7
Hong Kong	413	26.3	3.1	0.2	0.2	26.6	0.0	1.2	3.5	15.6	2.9	0.7	19.6	57.7	29.9	0.5	19.1	27.1	32.2
Hungary	368	16.2	32.7	0.0	2.4	12.7	0.0	2.6	0.3	8.1	2.1	0.7	22.2	66.5	51.3	1.2	21.0	50.0	52.7
Iceland	211	27.7	8.1	0.0	0.2	12.8	0.0	1.9	1.1	24.0	8.9	4.5	10.8	50.8	36.0	0.0	10.8	36.7	35.4
Iran, Islamic Rep.	464	20.5	0.5	0.2	1.6	31.2	0.5	5.5	1.0	7.4	14.2	1.1	16.3	60.1	22.8	0.1	16.1	22.9	23.0
Ireland	378	20.4	31.1	4.7	1.5	15.4	0.5	0.6	0.2	8.1	6.8	2.3	8.4	74.2	57.7	0.4	7.9	60.9	54.4
Israel	158	41.2	3.1	1.4	1.9	4.8	0.0	1.7	1.3	10.1	4.3	0.0	30.2	54.1	47.6	1.2	29.0	40.8	56.0
Japan	632	12.1	26.9	3.3	1.0	12.4	2.3	16.5	0.0	7.7	4.1	1.9	11.7	74.5	43.3	0.2	11.5	45.1	41.7
Korea	364	12.4	26.8	9.6	4.5	11.9	1.6	1.7	0.3	14.4	10.6	6.2	0.0	68.5	53.3	0.0	0.0	56.6	50.3
Kuwait	209	22.8	3.0	2.0	1.4	9.1	0.0	1.2	19.7	0.2	17.2	1.6	21.7	39.6	29.3	2.0	19.7	36.9	21.5
Latvia (LSS)	301	28.4	3.4	0.0	0.6	18.8	0.0	1.5	1.2	8.6	7.3	2.1	28.2	52.6	32.4	0.8	27.4	30.4	34.6
Lithuania	305	15.0	0.6	0.0	1.7	23.8	0.0	1.3	2.2	10.4	7.7	0.0	37.4	42.3	17.3	1.1	36.3	17.8	16.4
Netherlands	250	20.0	21.2	0.8	0.0	33.8	0.4	4.2	0.4	0.0	7.0	5.8	6.5	80.4	42.1	0.8	5.7	45.0	38.5
New Zealand	459	23.5	19.3	0.2	1.3	25.7	0.0	1.4	1.6	11.1	2.2	1.0	12.7	71.4	44.3	0.6	12.1	44.9	43.7
Norway	398	25.4	0.6	1.2	0.0	14.9	0.9	0.9	4.4	3.7	10.0	10.1	28.0	43.8	27.2	0.0	28.0	29.9	24.5
Philippines	727	16.1	0.8	0.3	0.1	5.9	0.7	0.7	9.2	30.3	13.2	4.0	18.7	24.6	17.3	0.0	18.7	17.6	17.0
Portugal	428	24.0	11.1	5.0	3.0	24.4	1.1	3.0	0.0	4.6	11.9	0.8	11.1	71.6	43.1	0.2	10.9	40.8	45.5
Romania	464	26.6	5.7	0.2	0.0	39.0	0.6	4.9	0.0	1.1	4.9	0.0	17.1	77.0	32.5	1.0	16.1	35.4	29.6
Russian Federation	486	36.3	3.5	1.6	5.4	15.4	0.8	0.6	0.5	13.8	4.1	1.2	16.8	63.6	46.8	0.7	16.0	48.8	44.8
Scotland	355	17.8	16.4	1.6	2.8	19.4	0.7	1.4	1.9	12.4	5.4	1.5	18.6	60.0	38.6	0.3	18.4	35.6	41.5
Singapore	580	11.9	14.6	11.4	0.3	23.8	17.5	0.7	0.6	9.6	3.0	0.4	6.1	80.3	38.3	0.5	5.5	39.1	37.5
Slovak Republic	427	11.6	3.7	8.5	1.3	10.5	9.3	5.4	0.5	6.4	14.1	2.6	26.3	50.2	25.0	0.0	26.3	22.7	27.8
Slovenia	327	23.8	20.2	3.2	4.2	18.2	1.2	4.2	3.1	0.6	5.1	2.7	13.6	74.9	51.3	0.0	13.6	47.6	54.7
South Africa	510	5.8	1.4	0.0	3.1	1.9	0.3	1.1	0.1	9.4	27.6	1.2	48.1	13.6	10.4	1.7	46.4	8.1	13.0
Spain	472	44.5	12.1	0.0	4.9	16.7	0.1	1.0	0.0	8.1	4.2	0.3	8.0	79.5	61.6	0.2	7.7	62.2	61.0
Sweden	540	18.4	3.5	0.0	0.0	27.1	0.0	1.2	3.0	10.4	7.6	10.2	18.6	50.2	21.9	0.0	18.6	22.2	21.7
Switzerland	615	20.8	7.4	1.4	2.5	22.7	0.1	1.6	2.4	5.0	6.1	4.6	25.4	56.4	32.0	0.0	25.4	33.5	30.5
Thailand	687	3.2	15.8	34.6	0.4	7.3	6.1	12.5	0.7	0.0	6.0	0.1	13.2	79.8	53.9	0.3	12.9	56.3	50.2
United States	872	23.0	30.6	0.5	3.8	6.8	0.3	1.1	0.8	14.2	5.0	2.3	11.5	66.2	57.9	0.3	11.2	52.0	63.0
INTERNATIONAL AVG	.	22.6	12.5	2.8	2.4	16.8	1.4	3.1	1.9	7.7	7.6	2.1	19.1	61.7	40.3	0.5	18.6	40.5	40.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P07 KEY: D

Select statement best describing the precision of repeated scientific measurements. (Environment and other content)

Difficulty: 570

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	28.9	3.6	3.5	62.9	1.1	62.9	0.0	0.3	0.8	68.1	58.0
Austria	350	54.3	1.1	6.8	35.7	2.1	35.7	0.0	0.2	1.9	35.3	36.1
Belgium (Fl)	351	48.7	6.4	2.3	42.5	0.2	42.5	0.0	0.0	0.2	43.9	41.0
Belgium (Fr)	330	44.0	3.5	4.2	45.1	3.3	45.1	0.0	0.7	2.5	47.5	43.4
Bulgaria	350	27.8	3.9	7.6	56.5	4.3	56.5	0.3	1.0	3.1	63.3	48.3
Canada	1030	34.0	3.1	3.8	58.4	0.6	58.4	0.0	0.3	0.3	58.7	58.1
Colombia	341	46.8	3.9	4.7	39.0	5.6	39.0	0.5	2.3	2.9	42.4	35.8
Cyprus	349	26.7	12.4	9.1	51.1	0.7	51.1	0.0	0.0	0.7	59.1	45.4
Czech Republic	422	28.9	2.6	3.1	64.5	0.8	64.5	0.0	0.0	0.8	64.9	64.0
Denmark	280	31.4	3.6	2.0	57.6	5.3	57.6	0.6	1.1	3.6	58.5	57.6
England	229	29.6	2.1	3.2	64.1	1.0	64.1	0.0	0.0	1.0	72.5	57.2
France	370	39.2	1.9	5.2	50.6	3.1	50.6	0.3	0.0	2.8	55.4	47.2
Germany	352	55.6	2.4	5.2	32.7	4.1	32.7	0.4	0.3	3.5	34.2	32.7
Greece	499	19.6	7.6	5.9	63.3	3.6	63.3	0.0	0.8	2.8	62.8	63.8
Hong Kong	414	12.5	8.0	7.7	70.2	1.6	70.2	0.0	0.5	1.1	77.8	64.8
Hungary	368	52.2	2.8	2.9	38.7	3.4	38.7	0.0	1.2	2.2	41.0	36.0
Iceland	211	35.7	4.0	1.1	59.0	0.2	59.0	0.0	0.0	0.2	66.7	51.7
Iran, Islamic Rep.	464	41.2	8.8	8.9	38.8	2.3	38.8	0.0	0.1	2.1	41.1	37.4
Ireland	378	38.8	3.7	2.3	54.5	0.7	54.5	0.0	0.4	0.3	54.8	54.2
Israel	158	62.9	3.5	2.4	28.2	3.1	28.2	0.0	1.2	1.9	30.9	24.4
Japan	632	45.1	7.1	7.9	38.9	1.0	38.9	0.0	0.2	0.9	30.9	46.7
Korea	364	10.2	1.0	3.5	84.7	0.6	84.7	0.0	0.0	0.6	85.7	83.8
Kuwait	209	13.3	10.0	13.1	59.7	3.9	59.7	0.0	2.0	1.9	75.5	43.6
Latvia (LSS)	302	38.3	4.1	5.0	48.9	3.7	48.9	0.0	0.8	2.9	48.9	48.8
Lithuania	306	34.9	3.7	5.6	49.7	6.2	49.7	0.0	2.0	4.1	54.7	42.2
Netherlands	250	28.4	7.5	5.1	57.7	1.4	57.7	0.0	0.8	0.6	60.6	52.5
New Zealand	459	28.4	3.5	3.2	63.1	1.8	63.1	0.3	0.6	1.0	64.6	61.8
Norway	398	38.5	4.8	1.9	52.9	1.9	52.9	0.0	0.0	1.9	57.3	48.6
Philippines	727	35.2	10.5	12.4	41.4	0.6	41.4	0.0	0.1	0.4	44.7	37.2
Portugal	428	56.1	2.9	5.0	34.6	1.4	34.6	0.0	0.2	1.2	35.4	33.6
Romania	463	30.8	4.5	3.0	54.1	7.6	54.1	1.0	1.0	5.6	54.8	53.5
Russian Federation	486	25.7	3.6	5.7	60.6	4.3	60.6	0.3	1.1	3.0	63.7	57.4
Scotland	355	28.4	4.9	2.7	62.7	1.4	62.7	0.0	0.3	1.2	68.5	57.9
Singapore	580	25.4	1.6	6.5	65.2	1.3	65.2	0.0	0.5	0.8	64.0	66.4
Slovak Republic	427	24.3	1.3	3.4	70.5	0.6	70.5	0.0	0.0	0.6	68.8	72.5
Slovenia	328	22.5	2.6	1.8	73.1	0.0	73.1	0.0	0.0	0.0	77.6	68.9
South Africa	509	31.3	24.4	15.7	23.3	5.2	23.3	0.6	1.8	2.8	26.4	20.0
Spain	472	63.0	3.0	4.6	28.3	1.0	28.3	0.0	0.2	0.8	31.2	25.6
Sweden	540	23.7	3.1	4.8	68.3	0.1	68.3	0.0	0.0	0.1	73.6	63.0
Switzerland	615	61.8	3.0	8.6	25.3	1.2	25.3	0.0	0.0	1.2	23.2	27.6
Thailand	687	7.0	3.2	10.8	77.0	2.0	77.0	0.0	0.6	1.4	81.3	70.5
United States	872	26.1	5.8	5.7	60.8	1.5	60.8	0.2	0.3	0.9	68.7	54.0
INTERNATIONAL AVG	.	34.7	4.9	5.4	52.7	2.3	52.7	0.1	0.6	1.6	55.7	49.8

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: Q11 KEY: A
 Choose statement explaining Earth's day/night cycle. (Earth Science)
 Difficulty: 627

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	926	41.7	3.6	6.0	47.2	1.4	41.7	0.0	0.7	0.7	37.1	46.1
Austria	351	55.3	2.0	1.8	36.8	4.1	55.3	0.0	0.8	3.3	50.6	61.4
Belgium (Fl)	351	47.9	8.8	2.1	39.9	1.3	47.9	0.0	0.4	0.9	39.4	56.1
Belgium (Fr)	334	25.1	6.5	4.4	58.6	5.4	25.1	0.9	2.5	2.0	21.5	28.0
Bulgaria	352	58.2	1.5	1.7	34.5	4.1	58.2	1.4	0.4	2.4	60.9	54.9
Canada	1029	37.1	3.7	8.4	48.7	2.1	37.1	0.0	1.0	1.1	30.0	43.9
Colombia	341	17.4	3.2	1.6	50.4	27.3	17.4	0.0	20.9	6.4	13.4	21.9
Cyprus	350	49.0	7.2	3.4	37.6	2.9	49.0	0.4	1.1	1.3	47.2	49.9
Czech Republic	421	56.0	4.7	2.1	33.0	4.3	56.0	0.4	3.0	0.8	51.0	60.8
Denmark	283	30.4	7.7	1.2	55.8	4.9	30.4	1.1	1.9	1.9	24.7	35.4
England	226	33.2	3.1	11.9	51.1	0.8	33.2	0.0	0.0	0.8	26.8	38.4
France	370	30.6	3.7	5.8	53.9	6.0	30.6	1.8	1.3	3.0	22.1	38.3
Germany	353	53.2	3.1	4.1	34.2	5.5	53.2	3.3	0.9	1.3	47.5	59.1
Greece	498	45.0	4.3	2.4	43.5	4.9	45.0	0.0	2.6	2.3	36.3	52.8
Hong Kong	418	58.2	3.4	3.7	34.2	0.5	58.2	0.0	0.0	0.5	49.6	65.0
Hungary	368	46.8	3.4	3.2	41.9	4.7	46.8	0.0	3.9	0.8	44.5	49.5
Iceland	211	20.6	7.2	4.3	67.0	0.8	20.6	0.2	0.4	0.2	16.5	24.6
Iran, Islamic Rep.	463	31.3	4.9	12.6	47.2	3.9	31.3	0.0	2.1	1.9	28.8	33.1
Ireland	382	34.3	5.2	10.0	47.8	2.7	34.3	0.3	1.3	1.2	28.2	40.5
Israel	158	53.8	8.5	6.1	25.1	6.6	53.8	0.0	4.2	2.4	46.3	59.5
Japan	632	55.2	5.3	8.1	30.9	0.5	55.2	0.1	0.1	0.2	49.4	60.8
Korea	364	77.2	3.9	4.3	14.1	0.5	77.2	0.0	0.2	0.3	74.0	80.1
Kuwait	209	49.7	7.6	2.7	33.8	6.2	49.7	0.0	2.2	4.0	55.6	43.7
Latvia (LSS)	302	36.3	6.4	3.9	47.8	5.6	36.3	0.0	1.8	3.9	38.3	34.0
Lithuania	305	43.0	5.4	4.6	38.6	8.5	43.0	0.7	4.4	3.4	41.2	45.6
Netherlands	250	61.6	7.2	3.7	25.6	1.9	61.6	0.0	1.2	0.7	56.4	66.8
New Zealand	454	33.4	8.1	5.7	51.6	1.2	33.4	0.2	0.0	1.0	27.6	38.7
Norway	400	48.1	8.7	6.0	34.9	2.4	48.1	0.0	1.1	1.3	38.4	57.4
Philippines	729	45.3	4.7	4.0	44.6	1.5	45.3	0.1	0.8	0.5	42.8	48.7
Portugal	424	38.6	4.7	5.6	45.3	5.9	38.6	0.0	2.6	3.3	34.4	43.2
Romania	463	23.3	3.8	2.7	57.7	12.4	23.3	3.5	2.9	6.0	19.6	27.1
Russian Federation	487	50.8	3.8	4.7	33.6	7.0	50.8	0.3	4.0	2.8	51.5	50.1
Scotland	359	20.7	9.6	9.5	59.1	1.1	20.7	0.2	0.3	0.6	15.5	25.4
Singapore	580	49.9	4.6	3.8	41.5	0.1	49.9	0.0	0.0	0.1	48.5	51.2
Slovak Republic	427	54.7	4.5	4.9	31.4	4.5	54.7	0.0	1.8	2.7	53.5	56.2
Slovenia	329	53.1	2.3	4.0	39.5	1.1	53.1	0.5	0.0	0.6	50.5	55.5
South Africa	510	25.6	11.3	4.1	54.6	4.4	25.6	1.0	2.5	1.0	24.7	26.7
Spain	473	44.8	3.0	5.9	41.8	4.4	44.8	0.0	3.5	0.9	35.9	53.4
Sweden	540	56.7	4.5	8.5	29.1	1.1	56.7	0.4	0.3	0.3	54.0	59.4
Switzerland	616	54.9	4.0	3.5	33.9	3.6	54.9	2.2	0.5	0.9	49.3	61.2
Thailand	687	57.4	2.4	0.1	39.0	1.0	57.4	0.0	0.4	0.6	58.2	56.0
United States	872	52.0	3.6	6.3	36.0	2.0	52.0	0.2	0.2	1.7	51.1	52.8
INTERNATIONAL AVG	.	44.2	5.1	4.8	41.7	4.1	44.2	0.5	1.9	1.7	40.3	47.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q12
 Explain how focusing affects the amount of light. (Physics)
 Difficulty: 608

COUNTRY	N	NOT REACHED												OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	19	70	71	72	73	76	79	90	99				V1	
Australia	926	27.5	3.4	14.7	9.4	0.4	4.2	3.7	6.5	0.0	26.6	0.7	2.9	54.9	0.9	2.0	55.6	54.2
Austria	351	35.1	4.6	8.3	0.0	3.6	3.6	1.0	14.9	15.0	9.6	1.5	2.8	48.0	0.8	1.9	40.9	57.6
Belgium (Fl)	351	28.1	7.4	7.9	10.5	2.3	3.8	3.0	5.8	10.6	17.5	0.7	2.4	53.9	0.7	1.7	56.4	51.5
Belgium (Fr)	334	0.0	0.0	0.0	38.7	0.0	0.0	0.0	0.0	0.0	56.0	0.0	5.3	38.7	2.7	2.6	37.1	40.6
Bulgaria	352	40.5	3.7	1.9	4.9	3.7	0.3	1.0	28.3	5.6	1.6	1.5	7.0	51.0	0.4	6.6	52.5	49.2
Canada	1029	24.0	3.4	13.0	5.9	1.5	3.1	2.5	7.2	7.0	29.2	0.0	3.3	46.2	1.1	2.2	47.4	45.0
Colombia	341	7.8	0.6	4.8	5.4	0.0	7.7	5.3	8.3	19.6	13.0	0.0	27.7	18.5	21.4	6.3	16.1	20.9
Cyprus	350	35.4	1.1	1.2	6.9	2.7	1.7	0.9	16.4	16.0	7.2	0.5	10.0	44.7	1.1	8.8	40.7	48.1
Czech Republic	421	17.8	3.3	8.2	5.2	2.9	0.4	4.2	13.8	17.0	20.9	1.0	5.3	34.5	3.0	2.3	26.5	42.1
Denmark	283	10.1	1.0	23.4	2.6	4.4	0.5	3.6	28.2	4.4	14.6	0.0	7.1	37.1	2.2	4.9	27.3	46.7
England	226	24.5	0.9	22.0	18.0	1.5	3.0	2.6	5.8	3.6	16.7	0.0	1.3	65.4	0.0	1.3	60.6	69.4
France	370	25.4	5.9	5.8	8.5	2.8	2.7	3.7	10.5	11.1	14.7	0.4	8.3	45.7	1.3	7.1	40.5	48.8
Germany	345	19.0	6.1	12.9	6.5	1.0	2.2	3.0	17.9	18.7	6.4	0.5	5.8	44.5	1.0	4.8	40.5	48.9
Greece	498	24.1	2.8	7.5	19.3	3.2	1.9	2.3	9.1	13.5	9.6	0.6	6.3	53.7	2.8	3.5	50.3	56.6
Hong Kong	417	23.3	0.7	8.0	5.4	0.5	1.9	4.4	34.4	12.1	7.6	0.5	1.2	37.4	0.0	1.2	30.7	42.6
Hungary	368	48.1	1.3	9.4	2.7	0.6	0.8	0.9	13.8	5.8	6.1	0.5	10.2	61.4	3.9	6.3	55.6	68.1
Iceland	211	43.3	0.7	6.8	10.3	2.2	0.4	5.9	11.6	6.4	10.9	0.3	1.3	61.0	0.4	0.9	65.6	56.5
Iran, Islamic Rep.	463	3.4	0.5	9.4	48.1	0.9	0.6	4.6	13.5	1.5	12.9	0.0	4.7	61.4	2.1	2.7	58.4	63.3
Ireland	382	31.7	1.0	3.6	11.4	3.9	1.9	2.3	6.8	7.3	27.2	0.0	2.9	47.6	1.3	1.7	49.3	45.9
Israel	158	32.8	10.6	3.7	4.2	2.2	3.3	0.0	14.8	9.6	6.3	0.0	12.6	51.3	4.2	8.4	39.9	63.8
Japan	632	36.1	6.4	15.1	2.6	0.6	0.4	4.5	2.6	14.8	15.8	0.0	1.1	60.2	0.3	0.7	58.1	62.2
Korea	364	45.6	7.2	9.4	13.4	4.7	2.7	3.0	2.9	3.5	4.2	0.0	3.4	75.6	0.2	3.2	78.1	73.4
Kuwait	209	39.9	1.3	5.0	19.9	2.9	1.2	2.9	6.4	0.0	4.6	0.6	15.4	66.1	2.2	13.2	71.2	60.8
Latvia (LSS)	301	30.7	1.6	4.2	4.9	3.8	1.6	1.3	22.7	9.7	8.9	0.4	10.2	41.5	2.1	8.1	34.4	49.7
Lithuania	305	12.5	2.2	14.5	1.4	1.0	2.4	2.6	18.6	21.2	8.9	0.0	14.6	30.7	4.7	9.9	24.2	40.3
Netherlands	250	28.5	3.9	15.2	0.0	5.3	1.2	3.1	10.9	9.2	18.1	0.4	4.1	47.7	1.2	2.9	44.2	51.6
New Zealand	454	13.6	2.5	15.5	24.3	0.4	4.1	5.7	5.0	9.8	18.4	0.0	0.6	55.9	0.2	0.4	54.4	57.3
Norway	400	30.2	2.9	24.9	0.3	7.9	1.6	3.5	7.5	6.3	12.8	0.0	2.1	58.3	1.1	0.9	52.1	64.2
Philippines	729	11.0	3.6	6.7	9.1	3.8	1.4	0.5	7.4	31.6	18.9	1.0	5.1	30.3	1.1	4.0	29.1	32.1
Portugal	424	16.5	4.7	1.8	12.3	2.9	3.3	4.2	9.0	23.9	11.9	0.0	9.4	35.3	2.9	6.5	34.5	36.1
Romania	463	26.9	1.7	1.1	7.7	1.5	0.7	1.0	34.1	5.3	4.1	0.0	15.8	37.4	3.3	12.5	33.1	41.7
Russian Federation	487	20.3	3.2	4.4	5.7	1.2	1.1	1.9	16.6	25.3	5.5	3.3	11.5	33.6	4.0	7.5	28.8	38.5
Scotland	359	43.7	3.9	4.2	3.9	3.6	0.3	3.0	4.6	6.0	25.7	0.0	1.1	55.7	0.3	0.8	57.0	54.8
Singapore	580	15.8	4.8	11.6	13.8	2.9	1.8	3.9	6.7	9.0	29.4	0.0	0.4	45.9	0.0	0.4	42.8	48.8
Slovak Republic	427	19.9	3.0	9.0	11.6	3.5	2.0	3.9	21.0	9.1	7.1	0.2	9.8	43.5	1.8	8.0	36.8	51.4
Slovenia	329	25.4	4.4	11.3	11.1	2.1	2.8	3.1	13.9	13.8	7.5	1.5	3.0	52.2	0.0	3.0	43.8	60.0
South Africa	510	8.7	1.1	0.5	6.4	1.4	0.9	2.8	21.2	10.0	26.8	0.7	19.6	16.7	2.5	17.1	14.7	19.3
Spain	473	32.7	2.2	9.2	10.2	1.2	3.0	4.6	8.1	9.1	13.4	0.3	6.0	54.4	3.8	2.2	47.6	60.9
Sweden	540	10.3	3.8	19.2	5.3	1.5	3.4	3.5	12.2	7.7	31.7	0.2	1.2	38.5	0.4	0.8	29.9	46.3
Switzerland	616	24.1	3.3	10.8	7.7	2.2	2.8	2.8	12.8	17.6	12.0	0.3	3.5	45.9	0.5	3.0	40.6	51.9
Thailand	687	18.6	1.1	4.6	16.7	2.9	0.2	2.1	5.5	23.4	21.4	0.4	3.0	41.0	0.4	2.6	40.6	41.4
United States	872	20.7	1.4	13.0	4.2	4.9	1.4	2.5	6.1	10.0	32.7	0.0	2.9	39.4	0.3	2.6	37.6	41.0
INTERNATIONAL AVG	.	24.6	3.1	9.1	9.9	2.4	2.0	2.9	12.5	11.0	15.6	0.4	6.5	46.7	2.0	4.5	43.5	50.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Q13 KEY: D
 Compare heat expansion properties of metal and glass. (Physics)
 Difficulty: 528

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	10.8	17.4	6.9	62.7	2.2	62.7	0.0	1.1	1.0	60.9	64.5
Austria	351	5.3	5.6	6.8	80.0	2.3	80.0	0.0	1.3	1.0	76.4	84.5
Belgium (Fl)	351	6.6	4.6	7.4	80.0	1.4	80.0	0.0	1.0	0.4	80.7	79.3
Belgium (Fr)	334	7.1	20.0	18.3	45.8	8.8	45.8	0.2	3.2	5.3	47.7	44.3
Bulgaria	352	5.2	8.0	11.0	69.8	6.0	69.8	0.0	0.7	5.4	77.1	61.0
Canada	1029	7.1	18.2	7.4	64.8	2.4	64.8	0.0	1.4	1.0	65.2	64.5
Colombia	341	17.8	21.4	9.0	19.2	32.5	19.2	0.3	23.6	8.6	20.7	17.7
Cyprus	350	13.4	29.0	16.3	37.6	3.7	37.6	0.4	1.1	2.2	40.9	35.3
Czech Republic	421	0.5	12.8	1.2	80.0	5.5	80.0	0.0	3.2	2.3	78.3	81.5
Denmark	283	10.1	8.8	6.8	65.6	8.7	65.6	0.0	2.6	6.1	64.0	67.8
England	226	7.1	18.6	9.6	62.9	1.8	62.9	0.0	0.0	1.8	58.2	66.7
France	370	9.4	24.6	13.1	46.4	6.5	46.4	0.3	2.4	3.9	41.8	50.1
Germany	353	6.4	8.5	5.8	74.2	5.0	74.2	0.2	1.5	3.2	79.8	70.7
Greece	498	12.5	28.8	12.8	40.1	5.8	40.1	0.0	3.1	2.7	34.4	45.2
Hong Kong	418	2.8	10.4	22.6	62.6	1.6	62.6	0.0	0.2	1.3	56.4	67.6
Hungary	368	6.4	5.8	3.7	78.2	5.9	78.2	0.0	4.4	1.5	80.2	75.9
Iceland	211	7.3	6.3	13.7	71.9	0.9	71.9	0.0	0.4	0.5	68.7	74.9
Iran, Islamic Rep.	463	15.2	30.5	15.5	33.7	5.1	33.7	0.0	2.6	2.5	29.9	36.5
Ireland	382	7.2	21.6	9.1	58.5	3.6	58.5	0.3	1.3	2.0	59.5	57.5
Israel	158	8.0	18.6	12.6	53.6	7.2	53.6	0.0	4.2	3.0	48.0	61.6
Japan	632	10.1	12.2	23.4	53.5	0.7	53.5	0.0	0.3	0.4	51.9	55.1
Korea	364	9.2	21.0	27.9	41.1	0.9	41.1	0.0	0.2	0.6	40.7	41.5
Kuwait	209	12.9	30.5	22.7	26.2	7.7	26.2	0.8	3.0	3.9	26.3	26.1
Latvia (LSS)	302	6.0	11.7	10.6	61.7	10.0	61.7	0.0	4.4	5.6	63.4	59.7
Lithuania	305	8.1	7.8	4.8	65.6	13.7	65.6	0.0	5.9	7.9	68.3	61.6
Netherlands	250	3.4	3.7	8.3	82.6	2.0	82.6	0.0	1.2	0.8	82.3	83.8
New Zealand	454	11.0	20.6	9.7	57.5	1.2	57.5	0.0	0.2	1.0	56.7	58.2
Norway	400	11.3	6.1	2.1	77.5	3.0	77.5	0.0	1.1	1.8	80.3	74.7
Philippines	729	7.8	15.2	35.7	38.8	2.5	38.8	0.0	1.5	1.0	40.6	36.5
Portugal	424	6.6	23.7	17.2	44.4	8.0	44.4	0.0	3.3	4.8	38.1	51.4
Romania	463	9.0	14.1	8.4	53.5	15.0	53.5	1.2	4.2	9.6	54.3	52.7
Russian Federation	487	7.4	6.3	6.2	70.8	9.3	70.8	0.0	4.3	5.0	71.5	70.1
Scotland	359	6.5	19.9	6.3	66.7	0.5	66.7	0.3	0.3	0.0	66.9	66.2
Singapore	580	2.4	3.6	6.2	87.4	0.5	87.4	0.0	0.0	0.5	87.8	87.0
Slovak Republic	427	1.5	24.0	5.7	62.2	6.6	62.2	0.4	2.2	4.0	58.2	67.0
Slovenia	329	4.9	20.2	6.1	66.2	2.5	66.2	0.0	0.0	2.5	62.3	69.9
South Africa	510	19.0	24.1	20.9	29.3	6.7	29.3	0.4	3.2	3.1	28.1	30.3
Spain	473	9.3	18.5	16.2	46.8	9.3	46.8	0.0	3.8	5.6	46.1	47.3
Sweden	540	5.0	2.6	9.1	81.5	1.9	81.5	0.0	0.4	1.4	80.6	82.3
Switzerland	616	10.0	8.5	8.5	68.7	4.3	68.7	0.3	1.4	2.6	66.9	70.7
Thailand	687	10.7	12.8	16.3	57.2	2.9	57.2	0.1	0.9	1.8	57.8	56.9
United States	872	12.3	20.6	9.6	55.7	1.7	55.7	0.0	0.4	1.2	52.7	58.3
INTERNATIONAL AVG	.	8.4	15.4	11.7	59.1	5.4	59.1	0.1	2.4	2.9	58.4	59.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q14 KEY: E
 Identify type of substance formed by heating a mixture of two elemental powders. (Chemistry)
 Difficulty: 613

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	6.5	6.8	24.6	12.4	46.7	3.1	46.7	0.0	1.4	1.7	46.3	47.0
Austria	351	9.8	7.1	11.5	14.9	52.8	3.8	52.8	0.0	1.4	2.4	50.8	56.1
Belgium (Fl)	351	22.7	11.1	34.9	12.7	15.1	3.5	15.1	0.0	1.2	2.3	15.2	15.1
Belgium (Fr)	334	7.8	8.5	16.0	32.2	18.9	16.7	18.9	0.0	3.9	12.8	18.1	19.2
Bulgaria	352	5.4	2.9	3.7	22.7	59.5	5.8	59.5	0.8	1.4	3.6	60.1	58.8
Canada	1029	10.8	3.6	33.2	20.9	27.9	3.7	27.9	0.8	1.8	1.1	24.0	31.0
Colombia	341	7.2	3.9	8.8	7.1	41.7	31.4	41.7	0.3	26.5	4.6	39.7	43.2
Cyprus	350	9.0	11.3	17.1	14.6	44.2	3.8	44.2	0.3	1.1	2.4	51.0	39.2
Czech Republic	421	6.8	7.2	7.0	16.5	54.8	7.7	54.8	0.0	4.1	3.6	51.9	57.5
Denmark	283	13.5	6.9	16.4	9.1	35.3	18.8	35.3	0.0	5.7	13.1	31.3	39.4
England	226	13.4	7.5	19.2	8.7	49.0	2.1	49.0	0.0	0.8	1.3	46.9	50.8
France	370	4.7	4.3	27.8	39.2	15.1	8.7	15.1	0.3	2.4	6.1	21.0	10.3
Germany	353	15.7	6.5	12.6	9.1	47.2	8.9	47.2	0.9	2.7	5.2	46.3	48.8
Greece	498	4.6	3.5	8.4	20.8	56.4	6.3	56.4	0.0	3.4	2.9	60.1	53.0
Hong Kong	418	11.1	5.0	13.2	25.1	43.8	1.8	43.8	0.0	0.5	1.3	42.0	45.3
Hungary	368	6.0	4.3	8.1	20.7	51.8	9.0	51.8	0.0	4.4	4.7	54.4	48.8
Iceland	211	4.8	6.3	17.9	30.9	38.0	2.0	38.0	0.7	0.6	0.7	40.4	35.7
Iran, Islamic Rep.	463	6.3	12.4	3.9	17.0	55.8	4.6	55.8	0.0	3.1	1.6	61.0	51.9
Ireland	382	7.5	4.0	21.0	7.2	55.9	4.4	55.9	0.5	2.7	1.2	60.1	51.7
Israel	158	2.6	14.2	16.5	9.6	49.4	7.6	49.4	0.0	4.2	3.4	51.5	44.2
Japan	632	7.3	3.8	1.1	3.6	83.8	0.3	83.8	0.0	0.3	0.0	84.0	83.7
Korea	364	8.6	7.2	1.4	9.3	72.1	1.3	72.1	0.0	0.9	0.4	75.6	68.9
Kuwait	209	9.8	12.5	15.1	14.3	42.1	6.2	42.1	0.0	3.7	2.6	51.2	32.7
Latvia (LSS)	302	1.3	3.0	5.7	19.4	60.5	10.0	60.5	0.0	6.9	3.1	60.5	60.5
Lithuania	305	10.0	4.4	8.1	18.6	45.8	12.9	45.8	0.5	8.9	3.6	43.9	48.7
Netherlands	250	22.4	13.1	24.1	16.3	21.0	3.1	21.0	0.0	1.2	1.9	23.1	19.2
New Zealand	454	9.5	7.8	27.4	7.1	46.0	2.1	46.0	0.0	1.0	1.1	42.7	49.2
Norway	400	13.1	6.7	5.8	19.2	51.1	4.1	51.1	0.0	1.8	2.3	49.5	52.6
Philippines	729	11.5	24.0	18.4	8.0	35.9	2.2	35.9	0.0	1.5	0.7	37.7	33.3
Portugal	424	11.3	5.1	41.3	9.2	26.0	7.1	26.0	0.0	4.2	2.9	26.0	26.1
Romania	463	11.9	2.7	11.3	26.0	36.9	11.1	36.9	0.5	4.8	5.8	38.1	35.8
Russian Federation	487	10.0	5.2	8.3	15.0	51.7	9.7	51.7	0.0	6.0	3.7	50.5	52.9
Scotland	359	7.1	3.4	22.3	6.7	59.4	1.1	59.4	0.2	0.3	0.6	62.7	56.3
Singapore	580	8.0	5.1	9.7	11.0	65.4	0.8	65.4	0.0	0.1	0.7	66.1	64.8
Slovak Republic	427	4.0	8.4	5.5	29.1	47.0	6.0	47.0	0.0	3.0	2.9	41.2	54.1
Slovenia	329	11.9	3.5	7.9	23.3	51.7	1.7	51.7	0.2	0.0	1.4	46.5	56.5
South Africa	510	8.2	14.6	25.8	4.3	41.4	5.6	41.4	0.7	3.8	1.1	40.8	42.0
Spain	473	5.5	4.3	7.1	15.3	58.9	8.9	58.9	0.0	5.3	3.7	64.1	53.8
Sweden	540	11.5	5.5	14.2	26.3	39.6	2.9	39.6	0.0	1.0	1.9	35.8	43.2
Switzerland	616	20.2	8.7	21.5	13.4	28.5	7.8	28.5	0.3	1.7	5.8	25.8	31.4
Thailand	687	5.1	4.9	4.0	37.1	45.4	3.5	45.4	0.0	1.2	2.2	49.9	38.6
United States	872	10.1	5.8	21.7	7.6	53.2	1.6	53.2	0.0	0.7	0.9	54.4	52.1
INTERNATIONAL AVG	.	9.4	7.1	15.0	16.5	45.8	6.3	45.8	0.2	3.1	3.0	46.2	45.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q15 KEY: A
 Determine physical processes involving chemical change. (Chemistry)
 Difficulty: 693

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	926	46.9	13.4	10.2	27.5	1.9	46.9	0.0	1.4	0.5	47.6	46.3
Austria	351	34.1	5.0	5.7	52.1	3.0	34.1	0.0	1.4	1.6	34.7	34.0
Belgium (Fl)	351	31.0	21.3	10.5	35.7	1.5	31.0	0.0	1.2	0.3	31.8	30.3
Belgium (Fr)	334	12.6	16.1	10.8	52.8	7.6	12.6	0.0	4.9	2.7	14.0	11.6
Bulgaria	352	33.0	11.2	12.7	37.9	5.1	33.0	2.3	1.5	1.3	38.9	26.0
Canada	1029	37.8	13.8	12.4	33.5	2.4	37.8	0.0	1.9	0.5	41.0	35.9
Colombia	341	18.4	9.3	12.6	27.7	32.0	18.4	0.3	27.4	4.3	13.9	23.3
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	421	34.3	4.7	6.1	47.6	7.4	34.3	0.2	4.1	3.1	32.9	35.6
Denmark	283	32.2	16.4	14.9	28.5	8.0	32.2	0.0	6.2	1.8	31.4	33.0
England	226	40.9	11.0	7.8	39.5	0.8	40.9	0.0	0.8	0.0	39.9	41.7
France	370	18.6	28.0	12.6	35.4	5.5	18.6	0.9	2.4	2.2	14.3	23.1
Germany	353	24.8	9.0	7.9	53.5	4.8	24.8	0.4	2.7	1.7	23.6	25.2
Greece	498	26.9	8.7	5.6	52.2	6.6	26.9	0.3	3.4	2.8	22.4	31.0
Hong Kong	418	30.5	10.9	30.9	26.1	1.6	30.5	0.0	0.5	1.1	28.6	32.1
Hungary	368	18.3	3.8	1.3	70.7	5.9	18.3	0.0	4.9	1.0	15.5	21.6
Iceland	211	19.7	16.2	8.3	54.7	1.1	19.7	0.0	0.9	0.2	16.3	23.1
Iran, Islamic Rep.	464	52.2	12.0	8.8	22.8	4.2	52.2	0.0	3.1	1.2	62.0	45.2
Ireland	382	38.6	16.0	10.2	31.0	4.2	38.6	0.6	3.3	0.3	41.5	35.6
Israel	158	23.2	12.1	3.1	54.1	7.6	23.2	0.0	4.2	3.4	24.4	22.6
Japan	632	54.4	9.5	4.3	31.4	0.3	54.4	0.0	0.3	0.0	51.4	57.2
Korea	364	47.9	18.3	7.4	25.3	1.1	47.9	0.0	1.1	0.0	53.8	42.6
Kuwait	209	30.8	16.6	19.4	26.6	6.6	30.8	0.0	3.7	2.9	36.4	25.1
Latvia (LSS)	302	25.6	8.7	8.6	45.3	11.7	25.6	0.0	7.2	4.4	28.5	22.2
Lithuania	305	37.2	6.8	5.2	39.1	11.7	37.2	0.0	8.9	2.8	35.4	39.9
Netherlands	250	35.3	19.0	7.9	35.9	1.9	35.3	0.0	1.2	0.7	31.1	41.2
New Zealand	454	41.6	15.3	15.8	25.5	1.7	41.6	0.2	1.0	0.5	41.9	41.4
Norway	400	12.0	20.6	9.3	53.7	4.4	12.0	0.0	2.2	2.3	12.4	11.7
Philippines	729	41.4	13.4	12.1	30.7	2.3	41.4	0.0	1.5	0.8	43.0	39.1
Portugal	424	39.8	17.4	12.4	22.6	7.9	39.8	0.0	4.2	3.7	36.9	43.0
Romania	462	20.9	8.2	5.0	51.2	14.6	20.9	7.8	5.1	1.8	17.3	24.5
Russian Federation	487	30.8	7.8	5.9	47.6	7.8	30.8	0.3	6.6	0.9	28.0	33.7
Scotland	359	33.1	18.2	9.4	37.7	1.5	33.1	0.0	0.3	1.3	27.4	38.4
Singapore	580	62.1	11.9	4.1	21.5	0.3	62.1	0.0	0.3	0.1	64.3	60.1
Slovak Republic	427	30.7	3.5	4.4	58.0	3.5	30.7	0.0	3.0	0.4	24.7	37.8
Slovenia	329	22.2	8.0	5.8	62.8	1.2	22.2	0.0	0.0	1.2	20.8	23.5
South Africa	510	26.3	20.7	12.7	34.5	5.8	26.3	0.9	3.8	1.1	27.4	25.4
Spain	473	17.3	13.0	11.9	48.5	9.3	17.3	0.0	5.5	3.9	17.3	17.2
Sweden	540	22.4	9.6	17.7	47.6	2.7	22.4	0.0	1.4	1.3	17.8	26.9
Switzerland	616	25.1	13.0	7.0	49.9	5.0	25.1	0.5	1.9	2.6	21.5	29.2
Thailand	687	16.4	18.6	11.9	49.8	3.4	16.4	0.0	1.9	1.5	15.8	16.1
United States	872	43.3	14.0	8.7	32.3	1.7	43.3	0.0	0.7	1.0	39.1	46.8
INTERNATIONAL AVG	.	31.5	13.0	9.7	40.5	5.3	31.5	0.4	3.4	1.6	30.9	32.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Science Item Categories - EIGHTH GRADE

May 13, 1998 120

Item: Q16 KEY: D
 Estimate time for light from star to reach Earth. (Earth Science)
 Difficulty: 740

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	30.4	16.9	10.0	40.0	2.7	40.0	0.0	1.4	1.3	31.4	48.1
Austria	351	43.9	14.4	10.7	27.1	3.8	27.1	0.0	1.4	2.4	18.1	35.6
Belgium (Fl)	351	32.6	16.8	13.6	34.0	3.0	34.0	0.0	1.2	1.8	30.1	37.7
Belgium (Fr)	334	53.4	13.9	6.6	17.3	8.9	17.3	0.0	4.9	4.0	13.4	20.3
Bulgaria	352	46.1	17.8	4.7	23.2	8.1	23.2	0.6	1.5	6.0	25.5	20.4
Canada	1029	43.7	14.2	11.5	28.1	2.6	28.1	0.0	2.0	0.6	24.2	31.3
Colombia	341	26.9	12.8	9.2	18.3	32.9	18.3	0.0	27.9	5.0	19.4	16.5
Cyprus	350	60.4	12.8	9.5	14.5	2.8	14.5	0.6	1.3	0.9	15.5	13.9
Czech Republic	421	24.1	20.3	10.4	37.6	7.7	37.6	0.0	4.4	3.2	28.9	45.8
Denmark	283	32.7	9.8	8.0	35.6	14.0	35.6	0.0	6.2	7.8	30.0	40.7
England	226	37.3	16.8	10.4	32.3	3.1	32.3	0.0	0.8	2.3	26.2	37.4
France	370	52.9	16.8	4.9	19.4	5.9	19.4	0.0	2.6	3.3	12.6	25.8
Germany	353	41.4	17.0	6.4	29.8	5.4	29.8	0.3	2.9	2.1	28.5	32.5
Greece	.	.	.	.	.	.	.	.	.	.	.	.
Hong Kong	418	42.6	14.9	16.3	25.2	0.9	25.2	0.2	0.5	0.2	28.5	22.4
Hungary	368	50.3	17.5	4.5	17.2	10.4	17.2	0.0	5.1	5.3	16.3	18.3
Iceland	211	44.1	20.2	13.4	21.2	1.1	21.2	0.0	0.9	0.2	23.8	18.8
Iran, Islamic Rep.	464	42.6	23.1	11.8	17.2	5.3	17.2	0.0	3.9	1.4	17.4	17.2
Ireland	382	42.4	14.0	9.1	28.5	5.9	28.5	0.3	3.6	2.0	25.9	31.2
Israel	158	55.3	12.0	10.7	14.0	8.0	14.0	0.0	4.9	3.1	17.2	11.7
Japan	632	33.5	14.8	17.4	33.6	0.7	33.6	0.0	0.3	0.4	32.1	35.0
Korea	364	56.1	19.0	12.2	11.6	1.1	11.6	0.0	1.1	0.0	11.7	11.6
Kuwait	209	30.5	25.0	16.3	21.2	7.0	21.2	0.0	4.5	2.4	30.1	12.1
Latvia (LSS)	302	35.8	19.7	7.6	22.7	14.2	22.7	0.0	7.5	6.7	18.6	27.6
Lithuania	305	32.9	27.6	5.7	16.4	17.3	16.4	0.0	8.9	8.4	13.7	20.5
Netherlands	250	42.2	16.0	9.0	30.8	2.0	30.8	0.0	1.2	0.8	29.3	31.8
New Zealand	454	35.7	13.7	8.0	40.8	1.9	40.8	0.2	1.0	0.6	33.7	47.4
Norway	400	29.5	17.1	7.1	43.2	3.1	43.2	0.0	2.5	0.6	37.7	48.5
Philippines	729	26.1	22.6	19.3	29.5	2.5	29.5	0.0	1.5	1.0	28.6	30.4
Portugal	424	31.1	23.0	9.5	26.9	9.5	26.9	0.0	4.7	4.8	21.8	32.6
Romania	464	39.9	16.2	5.7	21.0	17.2	21.0	1.0	5.2	11.0	20.4	21.5
Russian Federation	486	44.5	13.2	8.6	19.4	14.4	19.4	0.0	6.8	7.6	16.9	22.0
Scotland	359	38.4	12.7	14.3	32.4	2.2	32.4	0.3	0.6	1.4	27.1	36.7
Singapore	580	52.6	18.2	10.2	18.2	0.8	18.2	0.0	0.3	0.5	15.0	21.2
Slovak Republic	427	40.9	16.4	7.6	28.1	7.0	28.1	0.0	3.0	4.0	20.0	38.0
Slovenia	328	38.1	11.5	8.6	39.0	2.9	39.0	0.4	0.0	2.5	37.7	40.1
South Africa	510	23.9	29.1	17.4	23.7	5.9	23.7	0.6	3.8	1.4	22.1	24.5
Spain	473	37.4	11.8	6.0	33.3	11.6	33.3	0.0	5.8	5.7	29.5	37.0
Sweden	540	30.8	18.8	11.2	36.8	2.4	36.8	0.0	1.6	0.8	29.5	43.3
Switzerland	616	39.1	21.6	9.0	25.9	4.4	25.9	0.0	1.9	2.6	20.6	31.8
Thailand	.	.	.	.	.	.	.	.	.	.	.	.
United States	872	38.4	12.3	12.8	34.7	1.9	34.7	0.0	0.7	1.1	27.9	40.5
INTERNATIONAL AVG	.	39.5	17.1	10.1	26.7	6.6	26.7	0.1	3.5	2.9	23.9	29.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q17
 Describe the advantage of having two eyes. (Life Science)
 Difficulty: 493

COUNTRY	N	NOT REACH ED										1. GIRL % Right	2. BOY % Right		
		10	11	12	19	70	71	79	90	99	V1				
Australia	926	10.8	65.1	2.2	0.1	4.7	1.2	7.4	0.6	7.7	78.4	1.5	6.2	83.6	73.4
Austria	351	14.0	41.6	0.2	0.0	7.4	0.4	21.9	3.7	10.8	55.8	1.4	9.4	56.8	55.9
Belgium (Fl)	351	13.4	65.1	1.4	2.5	5.3	0.9	6.6	0.5	4.3	82.5	2.2	2.1	83.6	81.4
Belgium (Fr)	334	0.0	0.0	0.0	61.6	0.0	0.0	22.7	0.0	15.7	61.6	5.9	9.8	68.5	56.1
Bulgaria	352	27.7	31.3	0.0	8.2	0.9	1.5	6.0	0.9	23.6	67.1	2.3	21.3	69.5	64.1
Canada	1029	12.2	52.4	3.4	1.7	4.9	0.3	19.2	0.4	5.6	69.6	2.1	3.5	69.3	69.4
Colombia	341	2.1	43.3	0.9	0.8	1.1	0.9	4.8	1.0	45.1	47.1	30.4	14.7	44.1	50.4
Cyprus	350	1.0	50.4	4.6	3.8	4.3	0.7	5.9	0.7	28.5	59.9	1.9	26.6	61.7	58.9
Czech Republic	421	9.1	52.2	6.2	6.3	2.2	1.0	11.1	0.6	11.2	73.9	6.1	5.1	69.5	78.0
Denmark	283	10.1	44.7	3.3	3.1	4.9	1.4	15.1	0.0	17.5	61.2	7.5	9.9	63.5	59.3
England	226	13.0	59.0	4.0	8.5	3.2	0.0	4.9	2.2	5.0	84.6	1.8	3.3	81.0	87.6
France	370	8.2	60.0	1.3	3.0	5.2	1.2	7.3	1.5	12.3	72.5	3.2	9.0	67.8	76.8
Germany	346	13.2	30.2	0.7	1.1	8.6	2.1	12.4	2.8	28.8	45.2	4.1	24.8	43.2	47.4
Greece	498	10.5	37.9	1.0	14.2	3.8	5.6	4.5	1.4	21.1	63.6	4.6	16.5	64.0	63.2
Hong Kong	416	5.1	35.4	0.6	1.4	0.5	2.3	43.3	0.3	11.1	42.5	0.7	10.3	39.2	45.3
Hungary	368	16.6	50.1	0.9	5.9	2.4	1.2	4.5	0.5	17.9	73.6	7.0	10.9	74.7	72.2
Iceland	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep.	464	0.0	9.6	0.5	16.5	0.8	0.3	54.0	0.8	17.4	26.7	4.9	12.5	17.1	34.3
Ireland	382	3.2	65.8	3.9	8.8	3.2	1.6	4.7	0.9	7.9	81.7	3.9	4.0	83.5	79.8
Israel	158	9.5	58.8	2.7	1.7	5.5	1.2	9.7	0.0	11.0	72.6	4.9	6.1	74.7	70.8
Japan	632	29.4	41.3	0.4	4.1	1.1	4.9	13.7	1.2	3.8	75.2	0.5	3.3	73.3	77.1
Korea	364	12.2	36.6	2.2	17.9	6.4	1.9	17.0	0.0	5.8	68.9	1.1	4.8	66.3	71.2
Kuwait	209	9.2	19.6	6.7	11.9	7.8	1.7	16.6	1.6	24.9	47.4	5.2	19.7	50.1	44.6
Latvia (LSS)	301	6.5	33.5	1.3	9.0	7.0	0.7	6.6	1.7	33.7	50.4	11.3	22.4	45.9	55.5
Lithuania	305	2.1	42.1	0.0	1.3	5.1	3.0	14.2	0.3	31.9	45.5	12.7	19.2	43.3	48.6
Netherlands	250	19.8	67.2	0.3	0.0	0.0	0.0	9.6	0.0	3.1	87.3	1.2	1.9	85.2	90.8
New Zealand	454	7.1	70.1	2.5	5.3	3.5	0.9	5.9	0.2	4.6	85.0	1.2	3.4	86.3	83.7
Norway	400	5.2	73.8	2.0	0.4	1.3	0.3	9.9	0.9	6.2	81.4	2.5	3.7	84.1	78.7
Philippines	729	4.0	7.3	4.3	11.5	2.3	5.2	41.2	1.6	22.6	27.0	1.8	20.9	27.2	26.9
Portugal	424	4.8	55.1	2.0	1.9	9.4	0.6	9.4	1.9	14.8	63.9	5.6	9.2	60.9	67.2
Romania	464	2.9	22.4	0.5	1.9	6.3	2.0	16.4	1.0	46.5	27.7	11.4	35.2	27.3	28.0
Russian Federation	486	4.2	36.0	0.4	2.2	6.8	1.1	7.7	4.8	36.8	42.8	11.1	25.7	42.5	43.1
Scotland	359	13.6	40.2	4.4	7.1	5.8	1.1	22.1	0.6	5.1	65.4	0.8	4.3	65.7	64.9
Singapore	580	3.4	47.4	6.4	31.5	5.8	0.4	2.9	0.0	2.0	88.8	0.4	1.6	88.8	88.8
Slovak Republic	427	3.7	52.8	1.8	6.3	4.2	1.0	8.5	1.0	20.7	64.6	5.1	15.6	60.1	70.1
Slovenia	328	9.6	44.7	3.0	10.6	9.3	0.4	12.0	1.6	8.7	68.0	0.3	8.4	70.8	65.4
South Africa	510	2.9	7.5	2.0	6.4	4.8	1.2	21.5	1.1	52.6	18.8	4.7	48.0	14.9	22.7
Spain	473	7.6	53.1	1.9	5.6	3.1	1.0	10.8	0.4	16.4	68.3	7.1	9.3	66.1	70.4
Sweden	540	7.7	57.8	3.8	0.9	1.7	0.6	19.6	1.8	6.0	70.2	1.7	4.3	71.1	69.6
Switzerland	616	7.4	47.3	0.9	4.4	8.8	1.1	14.8	1.6	13.6	60.1	2.5	11.1	59.5	60.8
Thailand	687	48.3	33.1	0.7	5.0	0.9	0.4	1.6	1.2	8.8	87.2	1.9	7.0	88.5	85.1
United States	872	5.8	48.2	4.7	0.3	3.0	0.1	33.3	0.3	4.3	59.0	0.8	3.5	53.6	63.6
INTERNATIONAL AVG	.	9.7	43.7	2.2	7.2	4.2	1.3	14.2	1.1	16.5	62.7	4.6	11.9	62.1	63.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Q18
 Explain effect of melting on the mass of ice cubes. (Physics)
 Difficulty: 665

COUNTRY	N	NOT REACHED											OMIT	1.GIRL % Right	2.BOY % Right		
		20	10	11	70	71	72	73	79	90	99	V1				V2	ED
Australia	926	42.6	2.7	2.1	13.9	1.9	13.0	0.3	5.8	2.9	14.7	47.5	42.6	6.0	8.7	41.5	43.6
Austria	351	29.3	7.3	4.7	21.4	2.8	13.0	1.0	4.8	4.6	11.2	41.3	29.3	6.3	4.9	30.6	28.2
Belgium (Fl)	351	28.5	3.6	6.7	15.5	3.5	12.6	1.2	8.3	3.6	16.6	38.7	28.5	3.4	13.2	25.5	31.3
Belgium (Fr)	334	29.4	10.5	0.0	0.0	0.0	0.0	0.0	25.4	0.0	34.6	40.0	29.4	11.0	23.6	32.5	27.2
Bulgaria	352	14.3	6.8	9.7	16.2	8.0	4.0	0.9	2.6	0.4	37.1	30.8	14.3	17.2	19.9	15.4	13.0
Canada	1029	42.6	2.8	2.0	17.1	1.2	12.8	0.3	7.7	1.4	12.1	47.4	42.6	3.6	8.5	40.0	45.2
Colombia	341	10.3	2.1	1.1	3.7	1.9	5.4	0.2	6.3	0.5	68.6	13.4	10.3	43.0	25.6	7.7	13.2
Cyprus	350	30.3	1.7	4.4	13.5	1.8	8.0	2.6	8.5	1.7	27.5	36.4	30.3	18.3	9.2	24.5	35.1
Czech Republic	421	34.5	3.0	8.0	10.1	4.6	11.8	1.7	3.5	0.0	22.6	45.5	34.5	9.7	12.9	30.0	38.8
Denmark	283	31.2	11.9	11.9	2.8	1.9	3.4	5.7	1.4	0.0	29.8	55.0	31.2	13.0	16.8	29.7	33.1
England	226	33.9	3.6	0.3	20.9	0.0	16.1	1.3	4.6	3.8	15.5	37.8	33.9	3.7	11.8	33.2	34.5
France	370	50.7	2.7	6.8	4.5	2.3	3.5	0.7	5.3	0.5	22.9	60.2	50.7	7.2	15.8	50.4	50.8
Germany	347	24.0	2.3	4.6	19.4	1.7	8.9	1.4	1.2	2.4	34.1	30.9	24.0	18.1	16.0	24.1	24.5
Greece	498	16.8	7.4	2.3	21.5	2.5	11.0	1.6	3.4	3.2	30.4	26.5	16.8	16.5	13.9	17.3	16.4
Hong Kong	411	18.8	11.6	1.8	22.8	2.3	11.9	0.5	4.8	1.2	24.3	32.2	18.8	7.9	16.4	16.7	20.4
Hungary	368	37.8	0.2	5.5	14.1	2.9	3.3	0.8	2.0	1.3	32.2	43.5	37.8	14.8	17.4	32.9	43.4
Iceland	211	30.8	7.0	8.3	10.3	1.3	12.5	2.4	7.8	1.4	18.2	46.1	30.8	5.4	12.7	36.2	25.6
Iran, Islamic Rep.	464	29.5	14.0	3.7	2.5	1.5	9.1	1.5	17.4	0.2	20.7	47.1	29.5	10.3	10.4	22.3	34.7
Ireland	382	26.6	5.3	0.7	25.5	0.6	13.2	1.2	7.5	1.6	17.8	32.6	26.6	6.7	11.1	23.1	30.2
Israel	158	41.3	2.0	5.5	12.6	1.9	4.6	1.5	2.0	0.0	28.6	48.9	41.3	10.2	18.4	34.5	47.9
Japan	632	56.0	2.6	2.4	16.5	0.7	11.7	0.5	5.8	0.5	3.3	61.0	56.0	1.9	1.4	58.5	53.7
Korea	364	34.8	4.6	1.3	11.0	0.6	20.3	0.5	13.8	0.0	13.0	40.8	34.8	5.1	8.0	35.5	34.3
Kuwait	209	8.1	2.8	2.1	6.9	3.6	8.0	2.6	16.5	4.8	44.6	13.0	8.1	23.4	21.2	9.0	7.2
Latvia (LSS)	301	23.4	3.6	9.1	11.0	2.3	4.5	3.2	2.3	1.6	38.9	36.1	23.4	27.7	11.2	18.3	29.3
Lithuania	305	19.1	2.8	8.7	6.0	2.5	4.3	1.8	6.6	0.0	48.2	30.6	19.1	27.2	21.0	17.4	21.6
Netherlands	250	37.2	1.9	6.7	18.5	3.4	12.6	1.4	3.1	6.4	8.8	45.8	37.2	2.4	6.5	35.2	38.1
New Zealand	454	32.1	3.9	1.2	21.4	0.4	12.7	0.2	7.6	0.2	20.3	37.1	32.1	3.3	17.0	30.7	33.4
Norway	400	31.7	3.2	3.4	25.8	1.4	18.3	2.4	2.3	2.0	9.4	38.3	31.7	3.5	5.9	27.8	35.3
Philippines	728	12.0	4.9	2.5	8.8	1.9	8.2	1.6	17.4	7.0	35.6	19.4	12.0	18.3	17.3	9.9	14.8
Portugal	424	20.1	3.8	2.8	8.1	2.0	6.4	1.5	11.7	1.2	42.4	26.7	20.1	13.3	29.1	17.6	22.9
Romania	464	14.2	5.6	11.2	7.9	4.2	4.6	2.8	3.8	0.4	45.2	31.0	14.2	30.7	14.6	11.5	16.9
Russian Federation	487	25.0	2.2	11.5	9.3	5.4	2.0	3.0	4.8	1.1	35.6	38.8	25.0	26.4	9.2	21.2	29.1
Scotland	359	25.8	2.5	3.2	25.1	1.1	16.2	1.3	4.7	3.0	16.9	31.5	25.8	3.6	13.3	22.4	28.5
Singapore	580	33.3	3.8	1.7	30.7	0.4	20.4	0.3	3.3	0.2	5.9	38.7	33.3	1.7	4.1	35.0	31.7
Slovak Republic	427	32.2	7.9	9.4	9.3	1.3	5.7	2.7	2.6	1.1	27.7	49.5	32.2	13.8	13.9	26.5	39.0
Slovenia	328	38.3	6.0	10.0	11.1	2.6	6.1	0.9	6.3	1.2	17.5	54.3	38.3	3.5	14.0	34.7	41.7
South Africa	510	5.0	2.0	1.1	4.6	3.6	3.0	4.2	20.1	0.7	55.6	8.1	5.0	45.7	9.9	3.1	7.1
Spain	473	32.2	3.0	5.0	14.3	2.3	6.5	0.2	8.0	0.2	28.3	40.2	32.2	11.3	16.9	29.4	34.8
Sweden	539	29.9	8.0	6.4	10.9	4.2	8.1	1.6	8.0	7.4	15.5	44.3	29.9	4.3	11.2	28.0	31.6
Switzerland	616	25.2	3.0	4.7	19.2	2.3	14.1	0.3	5.0	3.5	22.8	32.8	25.2	9.6	13.1	24.2	26.3
Thailand	687	22.9	5.0	3.3	18.2	3.3	14.7	2.0	3.4	0.1	27.1	31.2	22.9	7.8	19.3	25.2	18.5
United States	872	32.2	3.3	1.1	17.5	1.8	16.1	1.2	6.9	3.9	16.0	36.6	32.2	2.9	13.1	28.5	35.3
INTERNATIONAL AVG	.	28.4	4.6	4.7	13.8	2.3	9.6	1.5	7.0	1.8	26.1	37.8	28.4	12.4	13.8	26.6	30.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R01 KEY: A
 Choose diagram showing angle of reflected light. (Physics)
 Difficulty: 468

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	75.4	7.0	8.9	8.1	0.5	75.4	0.0	0.5	72.3	78.4
Austria	350	76.3	6.9	7.7	7.7	1.4	76.3	0.0	1.4	76.4	77.0
Belgium (Fl)	351	73.9	7.8	6.4	11.5	0.4	73.9	0.0	0.4	71.7	75.9
Belgium (Fr)	330	69.8	7.9	7.7	6.8	7.7	69.8	0.0	7.7	73.6	67.2
Bulgaria	350	87.4	1.0	3.8	4.4	3.4	87.4	0.2	3.3	86.3	88.6
Canada	1030	72.7	8.0	7.7	10.6	0.9	72.7	0.0	0.9	71.6	73.4
Colombia	341	53.7	11.0	18.3	9.8	7.3	53.7	0.0	7.3	52.8	54.2
Cyprus	349	78.1	6.5	8.7	4.4	2.3	78.1	0.4	1.9	75.2	81.0
Czech Republic	422	80.3	4.8	5.8	8.4	0.7	80.3	0.0	0.7	81.4	79.2
Denmark	280	64.8	8.9	10.2	11.7	4.5	64.8	0.0	4.5	57.3	71.5
England	229	83.7	7.1	4.6	3.8	0.8	83.7	0.0	0.8	82.5	84.8
France	370	71.4	7.3	10.4	9.4	1.5	71.4	0.3	1.2	66.0	75.6
Germany	352	77.8	5.8	5.3	6.2	4.9	77.8	0.3	4.6	77.6	79.2
Greece	499	74.7	8.9	9.1	6.4	0.9	74.7	0.0	0.9	73.9	75.5
Hong Kong	416	71.9	5.9	9.3	12.1	0.8	71.9	0.0	0.8	65.9	76.8
Hungary	368	70.2	11.7	9.0	6.3	2.8	70.2	0.0	2.8	68.5	72.2
Iceland	211	59.9	19.7	10.3	8.4	1.7	59.9	0.0	1.7	66.8	53.3
Iran, Islamic Rep.	464	75.5	8.7	7.0	8.8	0.1	75.5	0.0	0.1	78.6	72.8
Ireland	378	66.2	10.7	10.0	11.4	1.7	66.2	0.0	1.7	67.0	65.4
Israel	158	67.6	14.5	2.6	14.0	1.3	67.6	0.0	1.3	64.5	71.0
Japan	632	91.7	0.3	2.8	4.7	0.5	91.7	0.0	0.5	89.6	93.7
Korea	364	82.5	4.1	5.3	8.1	0.0	82.5	0.0	0.0	80.5	84.3
Kuwait	209	79.2	6.6	4.8	4.0	5.4	79.2	0.0	5.4	91.8	66.3
Latvia (LSS)	301	72.8	6.9	12.2	6.2	1.9	72.8	0.0	1.9	69.4	76.8
Lithuania	304	58.1	9.9	15.8	8.3	7.9	58.1	0.0	7.9	56.1	61.1
Netherlands	250	76.1	5.6	8.9	8.3	1.1	76.1	0.0	1.1	75.6	75.9
New Zealand	459	81.6	6.1	4.9	6.3	1.1	81.6	0.0	1.1	78.3	84.7
Norway	398	61.3	10.9	13.2	12.7	1.8	61.3	0.0	1.8	58.2	64.3
Philippines	728	65.7	16.1	10.7	7.1	0.4	65.7	0.0	0.4	67.5	63.5
Portugal	428	61.6	11.5	13.5	10.7	2.8	61.6	0.2	2.5	59.7	63.6
Romania	460	75.9	7.9	7.8	5.8	2.6	75.9	0.0	2.6	73.0	78.7
Russian Federation	486	76.2	6.7	8.5	7.7	1.0	76.2	0.0	1.0	75.8	76.6
Scotland	355	80.7	8.5	5.1	5.7	0.0	80.7	0.0	0.0	80.2	81.0
Singapore	580	92.1	0.9	1.8	5.2	0.0	92.1	0.0	0.0	90.2	93.9
Slovak Republic	424	78.2	9.2	6.1	5.4	1.1	78.2	0.0	1.1	76.4	80.4
Slovenia	328	73.6	6.7	8.5	10.8	0.3	73.6	0.0	0.3	75.2	72.1
South Africa	509	36.0	24.4	15.7	12.1	11.7	36.0	1.0	10.7	35.6	35.5
Spain	472	69.0	9.3	9.7	10.2	1.7	69.0	0.0	1.7	65.3	72.6
Sweden	540	55.2	15.5	13.4	13.8	2.1	55.2	0.7	1.3	52.3	57.7
Switzerland	615	70.6	8.3	9.5	9.8	1.8	70.6	0.1	1.7	66.5	75.3
Thailand	687	76.1	6.4	6.9	10.4	0.2	76.1	0.0	0.2	76.8	75.9
United States	872	66.7	9.2	11.3	11.9	0.8	66.7	0.0	0.8	63.7	69.4
INTERNATIONAL AVG	.	72.2	8.6	8.6	8.5	2.2	72.2	0.1	2.1	71.1	73.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R02 KEY: B
 Identify reflection/absorption properties from color. (Physics)
 Difficulty: 653

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	16.8	48.7	17.3	16.2	0.9	48.7	0.0	0.0	0.9	46.3	50.9
Austria	350	22.6	38.6	18.3	16.9	3.7	38.6	0.0	0.0	3.7	42.4	33.9
Belgium (Fl)	351	9.1	46.2	12.2	31.3	1.3	46.2	0.2	0.0	1.0	43.2	49.1
Belgium (Fr)	330	17.3	38.3	12.0	24.9	7.5	38.3	0.0	0.0	7.5	36.4	40.4
Bulgaria	350	22.8	49.3	5.9	15.0	7.0	49.3	0.0	0.0	7.0	48.2	50.5
Canada	1030	18.5	46.2	21.2	13.5	0.6	46.2	0.0	0.0	0.6	49.0	43.8
Colombia	341	22.6	17.2	16.1	39.6	4.7	17.2	0.0	0.3	4.4	14.3	20.4
Cyprus	349	25.8	41.7	15.1	16.1	1.3	41.7	0.0	0.0	1.3	36.5	46.1
Czech Republic	422	20.4	47.0	13.1	18.0	1.5	47.0	0.0	0.0	1.5	45.8	48.1
Denmark	280	17.9	26.6	18.1	33.3	4.1	26.6	0.0	0.0	4.1	21.6	31.5
England	229	17.6	47.6	19.3	14.7	0.9	47.6	0.0	0.0	0.9	44.6	50.0
France	370	20.4	37.1	15.6	23.4	3.5	37.1	0.0	0.0	3.5	36.6	36.5
Germany	352	20.2	31.0	19.0	22.7	7.1	31.0	0.5	0.0	6.6	28.3	35.7
Greece	499	41.7	31.1	11.5	14.6	1.2	31.1	0.0	0.0	1.2	25.2	36.4
Hong Kong	416	20.5	53.3	17.6	7.7	1.0	53.3	0.0	0.0	1.0	54.9	52.3
Hungary	368	18.0	45.1	8.7	26.1	2.1	45.1	0.0	0.0	2.1	44.1	46.3
Iceland	211	12.8	42.8	12.9	29.6	2.0	42.8	0.0	0.0	2.0	47.3	38.4
Iran, Islamic Rep.	464	42.8	23.7	12.6	20.7	0.2	23.7	0.0	0.0	0.2	26.7	21.6
Ireland	378	18.4	46.1	14.8	20.7	0.0	46.1	0.0	0.0	0.0	46.6	45.6
Israel	158	24.6	39.2	12.3	21.1	2.7	39.2	0.0	0.0	2.7	31.9	46.1
Japan	632	13.6	54.0	18.6	13.8	0.0	54.0	0.0	0.0	0.0	54.6	53.4
Korea	364	16.8	57.9	14.1	11.3	0.0	57.9	0.0	0.0	0.0	60.1	55.9
Kuwait	209	33.9	34.6	13.8	14.2	3.5	34.6	0.0	0.3	3.2	40.7	28.4
Latvia (LSS)	301	26.4	31.6	14.4	24.6	2.9	31.6	0.0	0.0	2.9	30.3	33.1
Lithuania	304	26.3	23.6	10.8	34.9	4.4	23.6	0.0	0.3	4.2	23.6	23.5
Netherlands	250	14.2	44.4	23.0	15.3	3.1	44.4	0.0	0.0	3.1	45.8	40.7
New Zealand	459	18.9	46.3	15.9	18.1	0.7	46.3	0.0	0.6	0.2	45.2	47.4
Norway	398	29.4	36.3	23.2	10.6	0.5	36.3	0.0	0.0	0.5	34.5	38.1
Philippines	728	31.5	50.4	11.3	6.2	0.7	50.4	0.1	0.0	0.5	50.1	51.0
Portugal	428	30.7	31.0	13.9	23.1	1.3	31.0	0.0	0.0	1.3	23.9	38.6
Romania	464	25.7	26.1	11.7	30.0	6.5	26.1	0.9	0.0	5.6	23.0	29.3
Russian Federation	486	20.9	22.2	10.9	43.2	2.8	22.2	0.0	0.0	2.8	20.7	23.7
Scotland	355	17.5	45.7	15.3	19.9	1.4	45.7	0.0	0.0	1.4	41.6	49.7
Singapore	580	14.8	68.9	9.8	6.4	0.1	68.9	0.0	0.0	0.1	68.6	69.2
Slovak Republic	424	25.6	37.4	12.7	22.3	2.1	37.4	0.3	0.0	1.8	36.4	38.5
Slovenia	328	20.0	35.4	17.7	25.7	1.2	35.4	0.0	0.0	1.2	37.3	33.7
South Africa	509	33.3	24.9	16.8	21.6	3.3	24.9	0.7	0.7	2.0	23.5	26.7
Spain	472	31.0	38.9	10.1	18.5	1.5	38.9	0.0	0.0	1.5	37.9	39.8
Sweden	540	28.3	36.3	17.2	17.3	1.0	36.3	0.1	0.0	0.8	34.6	38.2
Switzerland	615	17.8	36.5	22.7	20.1	2.9	36.5	0.0	0.0	2.9	37.8	35.1
Thailand	687	22.9	47.3	10.0	19.0	0.9	47.3	0.0	0.0	0.9	50.7	42.4
United States	872	17.1	49.1	19.6	13.5	0.7	49.1	0.0	0.0	0.7	46.3	51.5
INTERNATIONAL AVG	.	22.5	39.9	14.9	20.4	2.3	39.9	0.1	0.1	2.1	39.0	40.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R03
 Give example of consequences of introducing new species. (Life Science)
 Difficulty: 807

COUNTRY	N	20	21	29	10	11	12	19	70	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY
															REACH		% Right	% Right
														ED				
Australia	919	27.3	8.6	0.5	31.8	2.2	3.5	1.5	1.2	7.1	3.0	13.3	75.5	36.5	0.0	13.3	36.0	37.0
Austria	350	5.5	4.2	0.1	25.7	0.4	17.4	0.0	1.8	29.3	4.3	11.3	53.3	9.8	0.0	11.3	7.1	13.4
Belgium (Fl)	351	7.5	3.6	4.8	12.4	2.7	3.7	5.7	0.8	20.7	3.1	35.0	40.3	15.8	0.0	35.0	18.3	13.4
Belgium (Fr)	330	0.0	0.0	4.0	0.0	0.0	0.0	14.1	0.0	21.6	0.0	60.3	18.1	4.0	0.0	60.3	3.2	4.8
Bulgaria	350	6.8	0.8	1.0	18.7	4.3	0.8	4.2	0.8	4.0	3.2	55.4	36.6	8.6	0.0	55.4	8.7	8.4
Canada	1030	6.9	6.4	6.2	30.1	1.8	6.5	4.5	3.9	16.4	1.5	15.8	62.4	19.5	0.0	15.8	19.6	19.9
Colombia	341	2.9	7.8	0.9	2.0	1.8	24.8	9.9	0.8	12.7	0.8	35.7	50.0	11.5	0.3	35.4	9.7	13.6
Cyprus	349	2.3	0.3	1.0	1.8	0.3	0.0	7.4	4.7	17.0	4.1	61.2	13.0	3.6	0.0	61.2	4.0	3.3
Czech Republic	420	4.4	8.2	2.3	15.4	2.2	8.9	6.9	6.9	11.2	2.5	30.9	48.4	15.0	0.0	30.9	10.9	18.9
Denmark	280	2.1	4.4	1.1	19.3	1.1	14.2	9.6	1.0	15.8	0.7	30.7	51.8	7.6	0.0	30.7	5.8	9.3
England	229	8.4	7.2	10.6	22.9	1.7	5.0	6.8	2.2	10.1	7.4	17.6	62.6	26.2	0.0	17.6	31.4	21.9
France	370	4.2	1.2	0.3	5.3	0.3	4.8	3.0	3.8	15.0	1.8	60.4	19.1	5.7	0.0	60.4	5.8	4.9
Germany	347	6.1	3.3	0.5	24.9	2.5	13.2	3.1	6.9	6.6	2.0	30.8	53.8	9.9	0.0	30.8	10.0	10.3
Greece	499	7.2	4.1	2.7	6.1	5.2	5.2	11.6	2.4	17.9	3.5	34.0	42.3	14.1	0.0	34.0	10.6	17.1
Hong Kong	413	1.4	0.5	0.2	11.8	0.0	27.3	1.4	0.7	33.4	0.0	23.4	42.5	2.1	0.0	23.4	1.6	2.4
Hungary	368	9.7	7.8	10.1	16.1	3.5	8.0	14.0	1.0	8.7	1.1	20.0	69.3	27.6	0.0	20.0	28.2	27.0
Iceland	211	0.2	1.1	2.5	21.7	31.4	9.2	1.7	7.3	10.7	0.6	13.4	67.9	3.8	0.0	13.4	3.6	4.1
Iran, Islamic Rep.	464	0.5	2.2	0.7	2.8	1.0	15.9	23.9	4.6	12.3	1.3	34.7	47.0	3.3	0.0	34.7	1.8	4.5
Ireland	378	6.5	4.9	0.5	22.8	1.4	14.7	5.3	6.8	15.5	2.2	19.5	56.0	11.9	0.0	19.5	7.5	16.5
Israel	158	6.9	7.3	4.6	15.0	0.5	5.7	3.9	0.0	3.4	1.2	51.4	44.1	18.8	0.0	51.4	14.8	22.2
Japan	632	2.4	2.2	0.1	8.1	0.8	30.1	24.0	3.8	16.5	2.3	9.6	67.7	4.7	0.0	9.6	2.8	6.5
Korea	364	15.4	11.2	5.3	5.7	3.6	11.0	1.1	8.7	16.0	0.0	22.0	53.3	32.0	0.0	22.0	32.6	31.4
Kuwait	209	3.4	2.6	3.1	9.9	0.8	4.7	4.7	1.5	15.8	1.8	51.8	29.2	9.0	0.3	51.5	11.5	6.5
Latvia (LSS)	301	2.7	3.2	1.0	11.9	6.2	10.7	8.3	3.6	5.1	5.0	42.3	44.0	6.9	0.0	42.3	8.5	5.0
Lithuania	306	0.5	4.3	0.9	6.0	3.9	2.2	1.4	3.5	19.9	1.2	56.1	19.3	5.7	0.3	55.8	3.8	8.6
Netherlands	250	3.4	7.4	0.8	54.7	2.1	2.7	0.5	1.0	20.4	1.6	5.3	71.6	11.6	0.0	5.3	11.8	11.7
New Zealand	459	1.8	16.3	4.3	30.7	5.2	2.0	4.1	3.2	6.8	1.2	24.5	64.4	22.3	0.6	23.9	18.3	26.1
Norway	398	4.4	6.5	0.0	36.2	3.0	16.7	0.2	3.0	6.7	6.1	17.1	67.1	10.9	0.0	17.1	10.8	10.9
Philippines	727	6.2	0.3	1.2	1.7	0.4	0.3	2.5	1.0	34.0	9.1	43.5	12.5	7.7	0.0	43.5	6.7	9.0
Portugal	428	2.8	6.2	3.4	8.1	3.3	5.1	7.6	7.4	13.9	4.4	37.7	36.6	12.4	0.0	37.7	11.8	13.2
Romania	465	11.4	6.8	3.7	8.3	7.0	8.5	3.7	5.5	10.9	0.9	33.2	49.4	21.8	0.0	33.2	19.8	23.9
Russian Federation	486	8.6	1.1	1.5	14.2	5.6	3.0	5.0	1.1	6.4	5.2	48.4	39.0	11.2	0.0	48.4	6.0	16.6
Scotland	355	2.9	5.9	3.9	37.1	0.5	1.7	1.5	1.8	10.5	3.2	31.1	53.4	12.7	0.3	30.8	12.0	13.4
Singapore	580	9.7	15.6	0.8	34.9	1.2	4.2	0.2	0.9	11.0	0.2	21.3	66.7	26.1	0.0	21.3	24.4	27.7
Slovak Republic	427	4.1	4.2	3.9	10.6	2.5	8.3	5.1	2.1	6.8	4.6	47.7	38.7	12.2	0.0	47.7	7.8	17.5
Slovenia	326	8.2	3.8	4.4	15.5	2.4	10.4	8.1	2.9	9.6	2.0	32.7	52.7	16.4	0.0	32.7	11.9	20.5
South Africa	510	0.3	2.3	1.4	2.7	0.2	1.3	1.4	0.4	31.8	1.1	57.1	9.6	3.9	0.7	56.4	3.5	4.5
Spain	472	6.0	7.0	0.7	14.9	3.4	26.5	5.2	4.4	11.7	0.5	19.6	63.7	13.7	0.0	19.6	11.6	15.8
Sweden	540	2.5	1.9	1.0	25.8	3.2	8.3	20.9	3.0	9.0	7.4	16.8	63.7	5.5	0.0	16.8	4.5	6.3
Switzerland	615	2.8	3.3	1.7	20.5	2.7	8.1	4.4	5.8	15.8	4.2	30.9	43.4	7.8	0.0	30.9	5.6	10.4
Thailand	687	2.4	2.9	13.3	4.0	0.7	28.1	28.1	2.1	3.1	0.2	15.2	79.4	18.5	0.0	15.2	19.7	16.9
United States	872	6.4	6.4	5.0	28.2	2.3	12.5	7.0	3.2	15.4	2.6	10.9	67.8	17.8	0.0	10.9	16.2	19.2
INTERNATIONAL AVG	.	5.4	4.9	2.8	16.6	3.0	9.4	6.7	3.0	14.0	2.6	31.7	48.7	13.0	0.1	31.6	11.9	14.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R04

Give reason why ozone layer is important for life. (Earth Science)

Difficulty: 583

COUNTRY	N	10	11	12	19	70	71	72	73	74	76	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
																REACH ED			
Australia	919	29.4	16.7	4.4	0.6	1.7	14.1	7.7	5.3	2.5	0.6	8.1	1.6	7.1	51.2	0.0	7.1	46.7	55.4
Austria	350	42.3	18.7	4.3	0.0	0.0	9.7	4.6	2.1	0.8	0.0	8.5	3.0	5.9	65.4	0.0	5.9	62.2	70.1
Belgium (Fl)	351	18.7	21.5	6.8	0.4	4.4	4.3	11.4	5.5	2.3	0.7	8.7	1.5	13.9	47.3	0.0	13.9	44.0	50.6
Belgium (Fr)	330	0.0	0.0	0.0	48.2	0.0	0.0	0.0	0.0	0.0	0.0	37.3	0.0	14.5	48.2	0.0	14.5	47.1	49.6
Bulgaria	350	43.5	11.6	6.3	5.9	0.4	1.6	1.9	0.1	0.0	0.9	4.1	1.4	22.3	67.3	0.0	22.3	67.6	66.9
Canada	1030	31.8	25.0	6.2	0.3	0.9	9.1	5.8	3.8	1.5	0.1	11.0	0.8	3.7	63.3	0.0	3.7	65.4	62.2
Colombia	341	28.0	15.4	9.7	2.1	0.0	3.5	16.3	8.9	2.3	0.8	7.4	0.0	5.5	55.3	0.3	5.2	52.4	59.0
Cyprus	349	13.1	25.6	2.6	1.1	0.2	7.8	8.3	4.1	0.2	0.3	6.8	0.5	29.3	42.4	0.0	29.3	41.0	44.0
Czech Republic	420	33.8	26.9	8.7	4.4	0.9	2.9	4.2	0.6	0.7	0.6	6.8	0.1	9.3	73.8	0.0	9.3	67.4	79.9
Denmark	280	12.9	10.9	4.3	0.8	0.2	17.3	15.3	6.1	1.4	0.0	12.0	0.3	18.6	28.8	0.0	18.6	19.7	37.5
England	229	13.7	17.9	5.0	1.7	4.2	17.6	12.8	6.7	4.6	0.5	8.3	0.9	6.0	38.4	0.0	6.0	29.7	45.6
France	370	19.5	16.3	6.3	0.2	0.4	7.4	9.0	14.8	3.8	0.8	7.7	0.3	13.5	42.3	0.0	13.5	37.0	47.1
Germany	345	39.0	16.0	6.2	2.3	1.8	7.9	2.6	1.8	1.3	0.8	3.6	1.0	15.7	63.5	0.3	15.4	64.2	64.4
Greece	499	23.7	22.3	2.8	6.9	0.0	3.4	4.1	6.9	0.5	0.8	10.0	2.4	16.2	55.7	0.0	16.2	52.0	59.1
Hong Kong	413	32.5	11.1	1.6	10.4	0.7	3.3	2.9	16.9	3.5	0.0	9.1	0.0	8.1	55.6	0.0	8.1	49.5	60.4
Hungary	368	29.0	30.0	1.6	2.2	0.0	3.4	6.5	4.2	2.5	0.0	5.2	1.2	14.2	62.8	0.0	14.2	55.6	71.1
Iceland	211	42.5	6.5	0.6	6.6	1.4	4.4	5.5	6.8	4.4	4.7	8.8	1.2	6.5	56.2	0.0	6.5	49.4	62.7
Iran, Islamic Rep.	464	6.7	9.1	0.2	3.5	0.1	2.2	11.0	1.2	0.2	3.6	28.8	2.0	31.4	19.5	0.0	31.4	7.7	28.8
Ireland	378	22.9	22.5	7.2	0.0	2.5	10.4	11.0	8.4	1.9	0.0	9.6	0.7	2.9	52.6	0.0	2.9	49.9	55.3
Israel	158	15.8	35.6	7.6	3.8	1.2	12.4	3.8	1.3	0.0	0.0	2.9	1.3	14.2	62.8	0.0	14.2	52.7	73.5
Japan	632	50.6	1.7	6.9	0.4	1.1	3.3	7.1	2.2	2.9	0.4	12.5	1.6	9.2	59.6	0.0	9.2	53.5	65.6
Korea	364	34.1	12.4	8.6	1.6	1.2	3.2	10.9	2.0	1.2	1.8	14.7	0.0	8.4	56.7	0.0	8.4	53.5	59.6
Kuwait	209	38.0	22.9	1.8	2.1	0.0	0.5	2.3	0.0	0.3	0.0	16.1	0.0	15.9	64.8	0.3	15.6	71.3	58.1
Latvia (LSS)	301	20.8	10.2	1.4	3.3	2.0	6.2	5.5	6.4	2.0	1.9	13.8	2.9	23.7	35.6	0.0	23.7	30.6	41.5
Lithuania	306	17.2	18.7	1.7	0.8	0.5	2.3	6.4	3.7	1.4	0.0	5.7	2.0	39.6	38.4	0.3	39.3	31.0	49.4
Netherlands	250	28.0	15.1	14.0	0.4	0.7	8.7	9.4	8.1	1.4	0.0	9.4	2.1	2.7	57.4	0.3	2.3	54.4	61.2
New Zealand	459	28.5	18.4	14.9	2.2	3.7	3.9	6.1	6.3	0.9	0.0	8.4	0.2	6.4	64.1	0.6	5.8	60.4	67.6
Norway	398	40.1	28.2	2.6	0.0	1.1	4.8	7.6	7.0	0.8	0.0	3.2	1.0	3.7	70.9	0.0	3.7	70.6	71.3
Philippines	727	17.6	20.4	5.4	2.6	1.2	0.3	6.1	0.0	0.3	3.3	23.8	7.0	12.1	45.9	0.0	12.1	46.5	45.3
Portugal	428	34.9	9.2	2.1	3.5	1.1	3.4	10.4	9.6	1.4	1.1	7.7	1.8	13.9	49.7	0.0	13.9	42.7	57.2
Romania	465	22.7	15.4	1.1	1.6	0.8	1.4	7.0	5.1	0.2	0.4	10.6	1.3	32.5	40.7	0.0	32.5	35.5	46.0
Russian Federation	486	14.9	13.8	4.7	5.3	0.3	1.6	9.9	4.5	2.7	0.4	11.9	3.9	26.1	38.8	0.0	26.1	37.3	40.2
Scotland	355	9.9	25.5	5.1	1.3	4.4	6.7	7.6	9.4	3.5	0.0	17.1	2.3	7.3	41.8	0.3	7.1	31.0	50.9
Singapore	580	51.0	22.0	5.1	0.4	0.0	8.7	3.9	1.7	1.0	0.0	3.1	0.0	3.1	78.5	0.2	2.8	76.4	80.5
Slovak Republic	427	36.5	25.3	5.1	3.7	0.9	1.2	2.9	1.1	0.6	0.7	7.2	1.0	13.9	70.5	0.0	13.9	66.9	74.9
Slovenia	327	45.4	8.8	3.8	3.3	0.6	3.9	2.9	2.3	1.0	0.5	14.1	0.8	12.8	61.2	0.0	12.8	54.7	67.2
South Africa	510	2.5	1.3	1.1	0.9	0.3	2.2	5.1	1.5	0.8	2.3	37.4	0.7	43.8	5.9	1.1	42.7	5.7	6.3
Spain	472	33.2	21.0	12.4	1.3	0.5	2.8	5.9	13.8	1.1	0.5	3.7	0.0	3.8	68.0	0.0	3.8	62.7	73.1
Sweden	540	31.4	29.7	5.7	2.1	1.2	6.0	3.1	3.9	1.1	0.8	6.3	2.0	6.7	68.9	0.0	6.7	62.5	74.7
Switzerland	615	23.4	17.4	8.5	2.2	2.4	7.8	6.6	5.7	1.8	1.3	6.2	1.6	15.0	51.4	0.0	15.0	44.2	59.5
Thailand	687	14.4	25.9	2.4	2.6	1.8	0.0	3.3	8.7	2.0	0.2	14.4	0.0	24.2	45.4	0.0	24.2	47.2	42.4
United States	872	27.6	19.4	3.7	1.5	0.6	7.6	9.4	6.7	2.7	1.0	13.7	1.3	4.7	52.2	0.0	4.7	42.2	60.8
INTERNATIONAL AVG	.	26.7	17.7	5.0	3.4	1.1	5.5	6.8	5.1	1.6	0.8	11.1	1.3	14.0	52.8	0.1	13.9	48.6	57.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R05
 Explain how carbon dioxide fire extinguishers work. (Chemistry)
 Difficulty: 589

COUNTRY	N	10	11	19	70	71	79	90	99	V1	NOT	1.GIRL	2.BOY
											REACH			OMIT	% Right	% Right
Australia	919	47.8	13.2	0.3	2.4	0.0	17.7	3.2	15.4	61.3	0.0	15.4	65.7
Austria	350	30.6	43.9	0.0	1.1	2.1	7.6	3.2	11.6	74.5	0.0	11.6	81.0
Belgium (Fl)	351	52.6	4.0	1.2	2.2	2.9	19.9	4.2	13.1	57.7	0.0	13.1	61.4
Belgium (Fr)	330	0.0	0.0	33.5	0.0	0.0	25.3	0.0	41.2	33.5	0.0	41.2	39.2
Bulgaria	350	30.2	3.2	12.6	1.2	1.0	6.5	2.4	42.9	45.9	0.0	42.9	44.7
Canada	1030	47.6	12.0	1.6	1.7	3.8	16.0	2.0	15.2	61.3	0.0	15.2	65.2
Colombia	341	6.0	8.0	9.3	2.0	5.8	19.1	0.2	49.6	23.3	0.3	49.3	31.7
Cyprus	349	34.5	3.5	2.8	3.2	2.4	8.9	2.2	42.4	40.8	0.0	42.4	42.3
Czech Republic	420	31.8	23.2	2.0	0.0	0.1	23.6	0.1	19.2	57.0	0.0	19.2	68.4
Denmark	280	11.3	20.7	0.6	4.6	0.8	22.8	0.3	38.8	32.7	0.0	38.8	40.2
England	229	56.4	11.8	2.9	2.1	2.9	13.4	0.8	9.6	71.2	0.0	9.6	78.4
France	370	27.2	17.2	5.3	2.5	1.6	11.4	2.1	32.7	49.7	0.0	32.7	52.8
Germany	346	37.5	31.3	0.4	0.4	2.0	3.8	1.1	23.5	69.3	0.3	23.2	75.2
Greece	499	24.4	4.2	8.7	2.1	2.6	19.6	2.4	36.0	37.3	0.0	36.0	44.0
Hong Kong	410	27.1	1.6	8.0	1.0	1.1	44.7	0.5	16.0	36.7	0.0	16.0	40.5
Hungary	367	38.1	10.2	13.6	0.7	0.5	10.1	0.8	25.9	61.9	0.0	25.9	72.3
Iceland	211	29.4	25.1	2.9	2.8	8.2	15.9	3.1	12.6	57.4	0.0	12.6	60.8
Iran, Islamic Rep.	464	55.4	2.1	5.3	2.7	4.2	16.7	0.3	13.3	62.8	0.0	13.3	73.3
Ireland	378	46.4	17.0	2.3	2.9	2.8	17.8	1.9	9.0	65.7	0.0	9.0	69.8
Israel	158	43.4	15.7	3.7	4.3	1.8	6.5	0.6	24.1	62.7	0.0	24.1	76.3
Japan	632	32.9	0.7	11.3	0.9	10.8	24.2	2.6	16.7	44.8	0.0	16.7	49.5
Korea	364	35.5	8.3	10.0	2.2	0.0	33.1	0.0	10.9	53.8	0.0	10.9	57.8
Kuwait	209	12.8	9.7	26.7	4.4	2.6	21.4	4.5	17.8	49.3	0.3	17.5	48.0
Latvia (LSS)	301	28.0	10.1	4.3	2.4	1.8	15.9	4.7	32.8	42.4	0.0	32.8	51.3
Lithuania	306	21.7	4.5	2.5	0.0	2.7	9.1	2.2	57.4	28.6	0.3	57.1	39.0
Netherlands	250	47.4	7.4	1.6	5.1	7.9	14.1	6.1	10.4	56.5	0.8	9.6	65.6
New Zealand	459	45.9	15.2	3.8	7.1	2.8	11.5	0.2	13.6	64.9	0.6	13.1	68.1
Norway	398	32.3	30.7	0.0	5.2	2.2	14.7	3.4	11.5	63.0	0.0	11.5	62.6
Philippines	728	9.5	0.5	3.4	2.6	6.3	44.9	2.7	29.9	13.5	0.0	29.9	17.3
Portugal	428	23.2	4.0	7.6	0.3	2.0	26.2	3.1	33.5	34.9	0.0	33.5	46.7
Romania	465	14.2	7.6	11.2	8.1	0.2	14.5	1.4	42.8	32.9	0.0	42.8	34.0
Russian Federation	486	31.5	4.3	18.4	1.2	0.8	11.7	4.1	28.1	54.2	0.0	28.1	62.5
Scotland	355	40.6	15.3	3.2	3.1	2.6	18.8	2.4	14.0	59.2	0.3	13.8	64.0
Singapore	580	35.3	1.7	32.8	0.4	1.3	18.7	0.2	9.5	69.8	0.2	9.3	74.5
Slovak Republic	426	29.7	15.1	1.1	2.0	2.0	15.1	2.4	32.4	46.0	0.0	32.4	56.9
Slovenia	327	33.8	15.3	3.2	5.1	1.7	13.1	2.4	25.4	52.3	0.0	25.4	60.2
South Africa	510	6.8	4.9	3.0	1.2	3.0	35.2	1.0	44.9	14.8	1.1	43.8	16.5
Spain	472	32.4	4.9	6.1	1.8	3.2	21.8	0.6	29.3	43.4	0.0	29.3	49.5
Sweden	540	23.3	46.5	0.2	3.8	1.1	9.7	6.3	9.2	69.9	0.0	9.2	75.9
Switzerland	615	28.1	28.0	1.0	1.2	1.4	9.6	2.5	28.2	57.1	0.0	28.2	63.5
Thailand	687	19.6	6.4	8.5	3.5	3.2	32.1	1.2	25.5	34.4	0.0	25.5	37.5
United States	872	52.6	8.7	0.7	4.0	3.2	17.1	2.3	11.3	62.1	0.0	11.3	68.4
INTERNATIONAL AVG	.	31.3	12.3	6.6	2.5	2.6	18.1	2.1	24.5	50.2	0.1	24.4	56.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W01A
 Give reason region in land/water diagram is a good farming location. (Earth Science)
 Difficulty: 383

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	12	19	70	76	79	90	99	V1				
Australia	1791	27.9	42.6	7.3	5.4	0.4	2.6	8.1	0.9	4.8	83.2	1.8	3.0	86.8	79.8
Austria	694	21.8	43.6	11.9	0.7	0.1	0.1	12.2	3.1	6.4	78.0	0.6	5.8	78.1	77.1
Belgium (Fl)	723	49.2	29.0	1.5	6.5	0.3	4.1	6.0	0.0	3.4	86.2	0.0	3.4	85.7	86.8
Belgium (Fr)	647	0.0	0.0	0.0	62.1	0.0	0.0	20.4	0.0	17.5	62.1	3.7	13.8	60.2	63.3
Bulgaria	463	25.0	33.4	2.3	4.5	2.4	8.3	4.5	2.1	17.6	65.1	7.8	9.9	66.9	63.1
Canada	2062	31.4	33.6	9.2	13.5	0.5	2.6	5.6	0.3	3.2	87.8	1.0	2.2	89.6	85.6
Colombia	657	9.6	40.2	0.7	11.0	0.3	4.2	7.6	1.6	24.8	61.6	15.2	9.6	61.4	61.9
Cyprus	663	17.8	51.9	3.3	3.9	0.4	0.8	4.6	1.0	16.3	76.9	5.0	11.3	80.5	73.9
Czech Republic	829	20.0	51.6	1.6	11.1	0.0	1.5	7.0	1.0	6.2	84.4	1.4	4.8	85.9	82.9
Denmark	570	18.8	35.5	3.8	4.3	0.2	0.9	15.2	0.6	20.8	62.4	3.5	17.3	55.8	69.2
England	444	35.9	37.0	11.3	7.9	0.7	2.9	1.8	0.4	2.1	92.1	0.3	1.8	92.4	91.9
France	751	26.5	44.0	2.9	2.4	0.5	6.6	5.1	0.2	11.7	75.8	1.4	10.3	78.0	72.9
Germany	696	28.0	34.2	3.0	6.3	0.8	0.6	7.3	1.2	18.6	71.5	3.4	15.2	71.4	71.7
Greece	991	28.9	53.7	1.4	2.2	0.3	1.0	4.4	0.9	7.2	86.2	0.8	6.4	85.6	86.8
Hong Kong	833	26.6	36.8	1.6	5.1	0.2	16.1	3.8	0.6	9.1	70.1	2.8	6.3	73.2	67.6
Hungary	709	36.5	36.4	2.1	1.8	0.6	1.0	7.9	0.9	12.9	76.7	0.7	12.1	75.0	78.3
Iceland	438	16.0	36.1	18.5	10.1	0.4	0.9	8.1	2.1	7.7	80.8	1.1	6.6	75.6	85.3
Iran, Islamic Rep.	921	31.0	48.4	1.5	1.4	0.5	0.2	8.8	0.6	7.7	82.3	1.1	6.6	86.2	79.0
Ireland	775	46.6	33.1	8.8	2.5	0.0	1.1	4.5	0.6	2.9	90.9	0.4	2.5	92.0	89.8
Israel	353	26.5	49.9	5.2	2.6	0.0	3.0	1.3	0.0	11.6	84.2	4.0	7.6	84.5	87.7
Japan	1283	6.4	73.7	3.2	8.2	1.5	0.6	2.8	0.5	3.1	91.5	0.5	2.6	90.8	92.1
Korea	728	25.2	63.2	1.3	1.8	0.8	1.3	2.6	0.0	3.7	91.5	0.5	3.2	91.6	91.4
Kuwait	420	22.3	27.9	3.0	5.8	4.2	1.8	11.9	1.0	22.1	59.0	5.6	16.6	66.5	51.9
Latvia (LSS)	607	16.1	43.3	2.0	9.7	0.8	1.2	6.1	1.7	19.2	71.1	6.0	13.2	68.4	74.3
Lithuania	619	23.4	36.7	0.6	7.4	0.2	0.6	7.7	0.6	22.8	68.1	7.2	15.6	66.1	70.8
Netherlands	475	44.2	25.0	8.3	0.5	0.7	6.3	9.4	1.7	3.8	77.9	0.9	2.9	78.4	77.5
New Zealand	924	25.9	38.3	13.7	10.7	0.1	2.7	3.7	0.4	4.5	88.6	0.7	3.8	88.1	89.1
Norway	811	17.0	62.0	6.4	0.7	0.0	0.9	6.5	1.3	5.2	86.0	0.8	4.4	88.4	83.5
Philippines	1502	20.3	35.6	1.6	2.3	0.6	5.9	15.8	3.1	14.8	59.8	6.3	8.6	60.4	59.3
Portugal	840	22.2	47.1	1.8	7.9	1.5	1.7	8.8	1.1	8.0	78.9	2.6	5.4	79.3	78.6
Romania	926	20.7	44.8	0.9	1.9	0.1	1.1	8.3	0.3	22.0	68.2	6.9	15.1	67.6	68.8
Russian Federation	1007	23.6	41.0	3.0	6.4	0.1	0.8	2.6	2.8	19.7	74.0	3.3	16.3	73.0	75.0
Scotland	711	23.7	42.5	11.0	3.5	0.1	3.3	12.2	0.8	2.7	80.7	0.2	2.6	80.6	81.1
Singapore	1168	44.4	42.8	4.8	1.5	0.1	0.5	3.5	0.0	2.3	93.5	0.5	1.8	94.1	93.0
Slovak Republic	864	18.3	57.8	0.2	6.2	1.1	1.2	3.5	0.8	10.8	82.5	1.5	9.3	82.4	82.7
Slovenia	676	33.3	45.8	4.7	6.1	0.7	0.7	3.8	0.8	4.0	89.9	1.0	3.0	89.0	90.8
South Africa	1123	9.5	22.4	3.6	2.5	1.8	5.0	22.9	0.9	31.4	38.1	11.2	20.2	36.9	40.1
Spain	962	23.0	57.1	2.6	4.5	0.8	1.0	2.3	0.3	8.4	87.2	1.9	6.6	89.1	85.0
Sweden	983	25.7	44.3	1.2	11.5	0.0	0.6	6.0	3.5	7.1	82.8	1.0	6.1	86.0	79.8
Switzerland	1213	24.7	34.2	17.4	5.0	0.7	0.5	6.8	1.9	8.8	81.3	0.9	7.9	83.3	79.4
Thailand	1469	44.1	48.8	0.4	1.3	0.0	0.6	1.8	0.3	2.6	94.6	1.4	1.2	94.4	94.9
United States	1777	32.0	45.9	8.8	3.9	0.4	2.1	4.1	0.1	2.7	90.6	0.9	1.7	91.7	89.5
INTERNATIONAL AVG	.	25.5	41.7	4.7	6.5	0.6	2.4	7.1	1.0	10.5	78.4	2.8	7.7	78.8	78.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W01B
 Give reason region in land/water diagram is NOT a good farming location. (Earth Science)
 Difficulty: 632

COUNTRY	N	NOT REACH ED												OMIT	1.GIRL % Right	2.BOY % Right	
		10	11	19	70	71	72	73	76	79	90	99	V1				
Australia	1791	48.3	7.8	1.7	1.0	0.5	3.9	10.7	0.9	14.5	1.8	8.8	57.8	3.1	5.6	55.3	60.3
Austria	694	37.7	3.2	2.9	4.1	0.3	8.1	10.9	0.1	13.6	5.0	14.1	43.8	2.6	11.6	45.4	42.5
Belgium (Fl)	723	50.6	2.0	4.5	2.2	1.2	1.8	10.1	6.7	11.5	0.3	9.2	57.0	1.1	8.0	56.5	57.6
Belgium (Fr)	647	0.0	0.0	34.1	0.0	0.0	0.0	0.0	0.0	36.2	0.0	29.7	34.1	10.0	19.7	36.1	32.4
Bulgaria	463	23.9	6.4	5.5	2.3	0.2	1.5	6.3	7.2	13.7	2.4	30.5	35.8	14.2	16.3	39.5	31.8
Canada	2062	33.6	5.6	7.6	1.8	1.5	3.8	15.0	0.6	20.1	1.2	9.1	46.9	2.1	6.9	44.1	49.1
Colombia	657	15.3	9.2	1.1	1.1	0.0	2.9	6.1	4.3	22.6	0.7	36.6	25.7	20.9	15.7	25.8	25.7
Cyprus	663	18.0	2.4	2.5	2.9	1.0	3.3	17.3	1.0	22.0	0.9	28.8	22.9	11.0	17.7	17.7	27.8
Czech Republic	829	31.5	3.1	7.1	0.5	0.5	2.9	15.1	3.8	16.7	1.5	17.3	41.7	3.9	13.5	42.4	41.1
Denmark	570	18.4	0.2	10.3	0.4	0.2	0.6	8.9	2.9	28.3	1.1	28.7	28.9	11.4	17.3	29.0	28.6
England	444	57.1	1.8	14.7	0.6	1.6	2.3	8.1	0.2	8.1	1.9	3.6	73.7	1.4	2.2	76.5	70.9
France	751	32.8	1.2	2.9	0.3	0.8	3.8	13.9	4.3	12.2	1.0	26.8	37.0	6.2	20.6	38.4	34.9
Germany	694	39.2	3.8	3.9	1.0	0.4	2.2	8.3	0.4	8.1	1.5	31.1	47.0	10.9	20.2	44.4	49.2
Greece	991	25.1	3.0	2.6	1.3	0.2	6.7	21.8	1.2	19.1	2.3	16.7	30.7	4.8	11.9	27.8	33.4
Hong Kong	833	34.6	5.9	1.7	0.3	0.5	1.7	22.3	1.0	11.8	0.4	19.8	42.3	5.6	14.2	41.4	43.0
Hungary	709	35.0	7.9	1.6	0.9	0.9	1.7	8.7	1.7	24.7	0.4	16.4	44.5	7.0	9.5	42.7	46.2
Iceland	439	13.9	1.5	11.1	0.9	1.1	7.0	17.3	2.3	22.7	4.4	17.9	26.4	4.1	13.8	25.0	27.7
Iran, Islamic Rep.	921	19.0	2.4	3.8	2.9	0.8	3.1	37.1	0.8	18.2	1.0	10.8	25.3	4.3	6.5	22.4	27.7
Ireland	775	63.7	1.7	5.6	0.6	3.2	5.2	5.5	1.5	6.6	2.0	4.4	71.0	1.2	3.2	68.7	73.2
Israel	353	28.1	4.0	2.5	1.5	1.9	8.8	6.6	15.6	12.0	0.7	18.5	34.5	8.7	9.8	30.3	40.4
Japan	1283	7.3	4.3	13.4	1.6	0.5	9.6	43.1	2.7	10.5	0.8	6.2	25.0	1.4	4.8	24.1	25.8
Korea	728	26.5	5.2	3.0	2.6	0.7	13.4	25.3	1.0	13.5	0.0	8.8	34.7	3.1	5.7	34.0	35.2
Kuwait	420	11.1	6.7	2.5	2.9	2.4	1.3	14.5	3.3	22.2	1.8	31.1	20.3	10.4	20.7	21.6	19.0
Latvia (LSS)	607	18.5	6.3	5.1	0.3	0.2	7.5	8.4	1.0	18.2	1.8	32.6	29.9	14.5	18.1	27.0	33.5
Lithuania	619	35.3	0.9	2.6	0.0	0.4	4.0	6.8	2.1	11.4	0.7	35.8	38.8	17.8	18.0	38.2	39.5
Netherlands	475	47.9	1.9	3.7	2.5	1.3	1.4	9.1	3.6	19.0	4.0	5.5	53.5	1.1	4.4	57.3	50.9
New Zealand	924	58.1	3.3	6.9	0.7	1.4	2.8	9.0	0.8	9.5	0.5	6.9	68.3	2.1	4.8	64.7	71.8
Norway	811	31.6	4.0	6.9	0.4	0.7	4.4	15.9	0.4	18.1	4.1	13.5	42.5	1.9	11.6	40.3	44.9
Philippines	1502	23.1	6.6	2.6	0.5	0.0	1.1	6.7	10.0	24.5	2.5	22.5	32.3	10.3	12.2	32.7	31.9
Portugal	840	19.7	1.0	3.1	0.6	1.1	2.1	22.3	2.7	20.6	1.8	24.9	23.7	6.0	19.0	23.8	23.6
Romania	926	28.0	1.5	3.2	0.3	0.5	1.8	13.3	1.1	13.4	0.2	36.6	32.7	15.3	21.3	32.3	33.2
Russian Federation	1007	30.0	4.5	5.0	0.4	0.2	1.4	13.1	2.5	9.0	3.3	30.7	39.5	13.0	17.7	38.1	41.0
Scotland	711	45.1	2.8	4.3	0.5	1.3	3.2	10.6	0.6	21.8	1.4	8.4	52.1	1.5	6.9	48.0	56.4
Singapore	1168	36.2	22.6	3.0	1.9	0.5	2.3	15.1	0.4	12.6	0.1	5.2	61.8	1.6	3.6	59.3	64.2
Slovak Republic	864	21.9	4.9	12.8	0.3	0.8	4.8	12.8	1.3	11.3	1.5	27.8	39.6	7.3	20.4	43.0	36.0
Slovenia	676	40.5	2.3	6.7	1.4	1.3	2.8	16.1	1.3	12.6	1.7	13.2	49.5	2.6	10.6	49.9	49.0
South Africa	1123	10.5	2.7	1.1	1.1	1.2	1.7	6.1	3.1	34.1	0.3	38.2	14.3	24.6	13.5	10.3	18.5
Spain	962	23.0	2.3	9.6	1.6	0.5	3.5	19.9	1.7	15.1	0.6	22.4	34.9	6.6	15.8	35.4	34.3
Sweden	983	31.0	2.5	10.0	0.8	0.2	2.2	17.0	0.4	14.9	6.9	14.1	43.5	3.0	11.1	45.8	41.5
Switzerland	1213	46.8	1.7	4.6	2.2	0.2	5.8	10.3	0.2	12.5	3.4	12.3	53.1	4.6	7.7	50.7	55.3
Thailand	1469	44.1	10.6	20.1	0.0	0.0	0.0	1.7	0.4	15.8	0.9	6.4	74.8	2.3	4.1	72.9	77.4
United States	1777	48.4	4.3	5.4	1.1	1.2	5.6	11.0	1.1	15.9	1.5	4.4	58.2	1.8	2.6	57.3	58.9
INTERNATIONAL AVG	.	31.2	4.2	6.3	1.2	0.8	3.7	13.3	2.3	16.6	1.7	18.7	41.7	6.8	11.9	40.9	42.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W02
 Draw diagram showing Earth's water cycle. (Earth Science)
 Difficulty: 659

COUNTRY	N	NOT REACH ED										1.GIRL		2.BOY		
		20	10	11	12	19	70	79	90	99	V1	V2	OMIT	% Right	% Right	
Australia	1791	32.6	9.5	3.9	0.7	5.9	23.7	7.7	1.6	14.4	52.6	32.6	5.3	9.1	30.3	34.9
Austria	694	42.8	4.7	6.6	0.6	0.1	10.5	22.9	2.3	9.7	54.7	42.8	4.8	4.8	37.3	48.3
Belgium (Fl)	723	59.7	5.4	4.0	0.6	0.5	13.7	7.0	1.1	8.0	70.3	59.7	2.9	5.1	58.2	61.4
Belgium (Fr)	647	32.1	0.0	0.0	0.0	13.7	0.0	31.1	0.0	23.0	45.9	32.1	14.3	8.7	28.2	36.1
Bulgaria	463	18.7	20.6	9.8	0.8	1.1	2.3	3.3	4.0	39.4	50.9	18.7	20.7	18.7	19.3	18.1
Canada	2062	39.3	11.3	4.8	1.8	1.4	25.3	4.1	1.4	10.6	58.7	39.3	4.7	5.9	37.7	40.9
Colombia	657	14.6	12.2	1.8	0.1	1.2	22.1	4.5	1.3	42.1	29.9	14.6	27.5	14.6	13.2	16.2
Cyprus	663	24.1	18.8	1.1	0.0	0.3	15.9	6.4	1.0	32.5	44.3	24.1	17.9	14.6	24.2	24.1
Czech Republic	829	27.4	4.1	5.0	0.1	2.3	30.0	9.2	3.3	18.6	38.9	27.4	8.8	9.8	23.8	30.9
Denmark	570	39.3	10.2	2.3	0.2	0.9	9.3	14.6	1.3	22.1	52.8	39.3	15.2	6.9	33.0	45.9
England	444	53.0	12.7	2.6	0.7	1.4	12.9	1.5	3.4	11.6	70.5	53.0	1.9	9.8	52.2	53.9
France	751	32.5	14.0	3.2	0.9	2.7	18.7	2.6	2.7	22.8	53.2	32.5	11.6	11.2	30.2	34.9
Germany	694	34.7	8.1	3.3	0.6	0.8	20.6	6.6	1.4	23.9	47.5	34.7	15.8	8.1	32.0	36.8
Greece	991	17.1	12.0	1.9	0.2	0.9	32.4	9.0	4.2	22.3	32.1	17.1	10.2	12.1	15.1	18.9
Hong Kong	829	24.6	7.2	5.2	0.6	1.8	10.5	29.6	0.3	20.2	39.4	24.6	11.0	9.3	21.2	27.5
Hungary	709	21.8	25.1	0.7	1.7	5.6	5.8	10.2	2.7	26.4	54.9	21.8	10.6	15.8	22.0	21.7
Iceland	439	33.1	3.4	7.9	0.2	5.7	30.5	5.1	1.9	12.1	50.4	33.1	6.9	5.2	29.4	36.4
Iran, Islamic Rep.	921	10.9	10.9	1.0	0.9	6.6	25.2	15.1	10.5	18.9	30.4	10.9	6.5	12.4	9.8	11.9
Ireland	775	50.5	15.4	2.6	1.2	0.6	15.3	4.1	0.8	9.5	70.4	50.5	3.0	6.5	46.1	55.0
Israel	353	16.6	48.1	0.9	0.0	4.3	5.7	0.3	1.4	22.8	69.9	16.6	12.9	9.8	14.1	21.1
Japan	1283	43.4	8.2	13.0	0.6	4.9	13.3	2.8	3.3	10.5	70.1	43.4	3.0	7.6	39.3	47.0
Korea	728	23.5	14.3	1.9	1.1	5.9	12.0	16.1	0.0	25.2	46.7	23.5	6.4	18.8	19.8	26.3
Kuwait	419	24.9	8.3	2.3	1.3	1.7	17.0	12.8	1.2	30.5	38.4	24.9	16.9	13.5	24.5	25.2
Latvia (LSS)	607	19.0	14.6	2.0	0.1	7.7	13.3	5.6	4.9	32.8	43.5	19.0	20.4	12.5	16.8	21.7
Lithuania	618	9.1	6.5	1.3	0.3	10.7	15.3	8.0	1.8	47.0	27.9	9.1	25.4	21.6	9.0	9.3
Netherlands	475	56.6	10.3	1.4	0.7	0.6	10.9	6.5	4.1	8.8	69.6	56.6	3.0	5.9	48.5	63.9
New Zealand	924	29.3	8.5	5.8	0.3	1.7	35.6	6.7	0.5	11.6	45.6	29.3	3.8	7.8	21.8	36.5
Norway	811	54.7	9.3	6.0	0.8	0.9	13.5	3.6	2.7	8.5	71.7	54.7	3.0	5.4	52.2	57.3
Philippines	1501	15.5	1.5	2.3	0.9	5.7	15.7	26.0	7.3	25.0	25.8	15.5	13.4	11.7	14.1	17.2
Portugal	840	23.8	7.8	4.3	1.3	0.7	22.6	4.2	4.1	31.3	37.8	23.8	14.8	16.6	21.7	25.9
Romania	926	21.4	3.1	4.9	0.1	0.5	25.2	4.8	0.3	39.7	29.9	21.4	23.6	16.1	20.3	22.6
Russian Federation	1006	59.3	1.1	8.8	0.5	1.3	1.1	1.0	3.2	23.6	71.0	59.3	16.8	6.9	54.6	64.4
Scotland	711	40.1	13.7	1.9	0.4	3.4	17.7	8.5	1.3	13.1	59.4	40.1	3.6	9.5	34.3	45.8
Singapore	1168	57.3	15.2	3.1	0.8	0.3	12.4	2.4	0.2	8.3	76.7	57.3	3.1	5.2	55.1	59.3
Slovak Republic	862	25.2	3.5	7.1	0.1	1.8	29.0	7.1	2.4	23.8	37.7	25.2	13.5	10.3	21.4	29.2
Slovenia	674	24.4	13.6	2.6	1.2	8.5	8.4	25.7	3.3	12.3	50.3	24.4	5.2	7.1	21.2	27.6
South Africa	1123	6.4	6.1	1.5	0.7	6.9	12.1	17.8	5.5	43.2	21.5	6.4	29.8	13.4	6.0	7.0
Spain	962	33.7	9.3	5.5	0.4	1.4	18.0	5.4	0.8	25.5	50.3	33.7	12.2	13.3	32.6	35.0
Sweden	983	49.4	8.4	3.6	0.4	1.6	15.2	8.6	3.2	9.7	63.3	49.4	4.4	5.3	48.8	49.5
Switzerland	1213	37.9	8.2	4.7	1.0	0.8	21.6	10.6	1.6	13.6	52.6	37.9	6.5	7.1	35.6	40.1
Thailand	1469	16.3	49.5	0.3	0.1	2.6	10.9	1.3	0.7	18.4	68.8	16.3	4.7	13.6	15.9	16.6
United States	1777	39.6	12.2	2.5	1.6	0.2	26.8	4.7	1.6	10.8	56.1	39.6	3.0	7.8	37.1	41.8
INTERNATIONAL AVG	.	31.8	11.6	3.7	0.6	3.0	16.6	9.2	2.4	21.1	50.8	31.8	10.7	10.4	29.2	34.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X01
 Describe materials and procedures used in exercise/heart-rate investigation. (Life Science)
 Difficulty: 797

COUNTRY	N	20	10	11	12	19	70	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	1805	15.4	2.4	0.2	13.1	8.4	14.5	18.7	4.3	23.0	39.5	15.4	0.8	22.2	18.9	11.9
Austria	675	8.6	1.1	0.0	18.2	0.3	18.0	31.4	5.9	16.4	28.3	8.6	0.7	15.7	9.1	7.6
Belgium (Fl)	730	26.5	5.6	1.5	18.3	1.1	21.4	14.9	1.2	9.5	53.0	26.5	0.2	9.4	31.1	21.5
Belgium (Fr)	631	13.5	0.0	0.0	0.0	17.7	0.0	37.0	0.0	31.1	31.1	13.5	2.1	29.8	14.1	12.9
Bulgaria	330	6.8	12.9	6.7	9.3	5.7	8.9	13.2	1.6	35.0	41.3	6.8	2.9	32.0	8.8	4.2
Canada	2095	21.0	6.1	0.3	16.2	3.8	17.0	13.2	3.3	19.2	47.3	21.0	0.6	18.6	26.0	15.5
Colombia	658	6.3	2.8	0.4	1.9	2.1	12.5	24.0	0.8	49.2	13.5	6.3	14.8	34.4	6.4	6.4
Cyprus	743	6.1	3.0	0.3	11.7	10.5	7.2	14.8	2.3	44.0	31.6	6.1	1.2	42.9	7.9	4.4
Czech Republic	835	19.4	4.1	1.8	9.1	8.1	14.9	17.8	2.9	21.9	42.5	19.4	1.1	20.8	18.1	20.6
Denmark	576	11.8	3.4	0.7	7.2	3.2	14.7	23.7	1.3	33.9	26.3	11.8	4.1	29.8	13.0	10.8
England	434	25.6	3.4	0.0	19.9	5.3	9.7	16.9	4.9	14.3	54.2	25.6	0.2	14.1	28.7	22.7
France	769	9.5	2.4	1.7	14.2	11.1	9.5	16.8	2.2	32.5	39.0	9.5	1.2	31.3	10.0	9.5
Germany	716	16.3	3.3	2.0	8.2	1.7	21.8	12.4	1.5	32.9	31.4	16.3	2.4	30.5	16.5	16.2
Greece	997	10.5	5.0	0.8	6.0	7.1	26.2	14.1	2.9	27.4	29.4	10.5	1.3	26.1	13.1	7.8
Hong Kong	828	5.9	2.0	1.3	15.9	3.1	20.5	20.1	5.2	26.0	28.2	5.9	0.6	25.4	5.0	6.6
Hungary	754	7.9	2.1	2.4	14.9	10.2	9.3	9.7	1.3	42.1	37.5	7.9	2.5	39.6	8.6	7.0
Iceland	442	7.9	2.9	0.0	10.2	3.2	23.9	34.2	3.6	14.3	24.1	7.9	0.6	13.6	7.6	8.2
Iran, Islamic Rep.	934	4.3	1.7	2.3	0.8	24.2	2.2	24.5	0.7	39.4	33.3	4.3	1.7	37.7	2.8	5.0
Ireland	773	16.3	2.4	0.6	27.8	1.4	10.6	11.1	3.7	26.1	48.5	16.3	0.9	25.2	18.0	14.6
Israel	374	26.5	12.1	0.8	15.8	15.9	3.7	2.9	1.4	20.9	71.1	26.5	3.1	17.9	32.0	21.6
Japan	1282	19.6	3.4	0.1	33.0	14.6	5.0	13.5	1.8	8.9	70.7	19.6	0.0	8.9	22.3	17.1
Korea	738	22.6	4.9	3.5	15.6	5.8	6.4	17.8	0.0	23.3	52.6	22.6	0.1	23.2	22.2	23.0
Kuwait	429	8.0	7.7	4.5	7.1	3.7	5.7	15.0	2.8	45.6	31.0	8.0	3.2	42.4	8.9	7.0
Latvia (LSS)	601	3.1	4.3	4.1	3.7	6.9	13.7	20.7	4.4	39.2	22.1	3.1	4.7	34.5	3.5	2.6
Lithuania	625	4.9	1.1	0.1	4.5	8.9	14.6	18.1	0.6	47.1	19.5	4.9	6.4	40.7	6.8	2.7
Netherlands	483	25.0	5.7	1.2	9.7	2.3	15.7	30.2	4.2	5.9	44.0	25.0	0.2	5.7	30.4	20.0
New Zealand	917	26.5	3.7	0.4	12.1	5.8	14.6	12.4	0.7	23.7	48.5	26.5	0.4	23.3	28.5	24.5
Norway	821	23.6	4.1	0.5	20.2	1.6	26.5	3.6	6.3	13.5	50.1	23.6	0.9	12.7	25.4	21.8
Philippines	1497	8.5	1.1	1.0	2.9	2.9	3.8	38.5	3.9	37.5	16.3	8.5	0.9	36.6	7.9	9.3
Portugal	838	2.8	1.9	0.3	4.7	4.2	8.6	43.5	3.2	30.8	13.9	2.8	1.5	29.3	2.5	3.2
Romania	931	8.6	2.9	1.7	3.9	6.6	5.6	17.5	1.3	51.9	23.6	8.6	4.9	47.0	7.8	9.2
Russian Federation	1034	4.8	5.8	1.2	7.8	6.1	6.8	13.2	7.6	46.7	25.6	4.8	5.3	41.4	4.7	4.9
Scotland	704	24.8	3.8	0.6	8.8	7.8	6.4	16.9	3.7	27.2	45.8	24.8	0.1	27.0	26.5	23.4
Singapore	1147	31.9	2.3	0.9	24.4	1.5	12.4	5.8	1.3	19.4	61.1	31.9	0.1	19.3	35.2	29.0
Slovak Republic	874	12.0	2.6	1.6	8.3	2.3	13.0	29.6	2.3	28.4	26.7	12.0	1.6	26.8	13.0	11.1
Slovenia	697	19.7	7.1	1.5	11.5	10.4	10.5	14.0	4.0	21.3	50.1	19.7	0.8	20.6	18.8	20.6
South Africa	1150	4.9	1.0	0.4	0.3	4.0	0.9	17.3	0.7	70.6	10.6	4.9	4.5	66.1	3.1	7.0
Spain	974	9.7	2.6	1.2	12.8	3.6	13.0	19.7	0.5	37.0	29.9	9.7	2.5	34.5	8.1	11.3
Sweden	1036	18.2	5.6	0.5	16.5	1.8	20.8	16.7	5.4	14.5	42.6	18.2	1.0	13.5	22.2	14.1
Switzerland	1198	14.1	5.6	3.3	13.7	2.2	31.7	11.0	2.8	15.7	38.8	14.1	1.0	14.7	16.7	11.7
Thailand	1504	18.0	2.3	1.4	10.1	0.9	23.7	24.5	0.2	18.8	32.7	18.0	0.7	18.1	19.9	15.4
United States	1769	13.7	3.7	0.5	23.7	5.5	16.2	19.1	2.8	14.7	47.2	13.7	0.5	14.1	17.0	10.2
INTERNATIONAL AVG	.	14.1	3.9	1.3	11.8	6.0	12.9	18.8	2.6	28.6	37.0	14.1	2.0	26.6	15.4	12.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X02A
 Explain why a plant is important in aquarium ecosystem. (Life Science)
 Difficulty: 474

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	12	13	19	70	79	90	99	V1				
Australia	1805	25.0	3.3	30.2	3.1	1.6	18.6	7.3	1.1	9.7	63.3	6.3	3.4	65.7	60.9
Austria	675	62.4	7.6	10.7	3.1	0.8	4.5	4.0	1.6	5.3	84.6	3.5	1.8	85.3	83.8
Belgium (Fl)	730	50.6	13.5	8.4	0.3	1.8	8.4	7.6	0.7	8.7	74.6	3.1	5.6	77.6	71.3
Belgium (Fr)	631	0.0	0.0	0.0	0.0	47.4	0.0	28.9	0.0	23.6	47.4	11.7	11.9	46.9	49.2
Bulgaria	330	43.3	5.1	7.1	0.0	10.6	2.6	7.7	1.1	22.4	66.1	16.9	5.5	71.5	59.2
Canada	2095	37.0	4.0	15.2	4.9	0.7	22.7	7.1	1.0	7.6	61.7	4.1	3.5	59.8	63.7
Colombia	658	17.8	0.4	24.2	0.2	12.4	3.5	12.0	1.0	28.6	54.9	23.7	4.9	54.7	55.9
Cyprus	743	39.0	0.9	11.6	1.2	4.1	12.7	5.5	1.8	23.3	56.8	18.5	4.8	58.2	55.6
Czech Republic	835	59.5	4.7	5.3	1.4	2.7	12.7	5.4	1.4	6.8	73.7	4.3	2.5	74.0	73.4
Denmark	576	57.1	1.6	4.2	2.4	3.9	4.1	6.5	0.4	19.8	69.2	13.5	6.3	68.6	70.6
England	434	44.8	3.8	15.2	2.3	3.1	15.7	6.8	1.5	6.8	69.3	2.9	3.9	68.8	69.7
France	769	46.9	0.9	8.5	2.0	4.3	9.2	7.7	2.2	18.2	62.7	8.4	9.9	60.5	64.6
Germany	712	62.4	5.3	5.0	0.9	0.6	5.5	2.7	1.2	16.3	74.3	10.8	5.5	75.1	74.2
Greece	997	16.9	0.3	26.3	1.7	1.5	30.8	5.6	1.2	15.7	46.7	7.6	8.1	48.1	45.3
Hong Kong	828	46.3	1.8	1.6	0.5	2.7	22.9	7.7	1.6	14.9	52.8	10.8	4.1	52.8	53.0
Hungary	754	47.7	5.3	10.5	1.2	0.5	12.2	4.6	0.4	17.6	65.2	12.5	5.1	66.2	64.1
Iceland	442	42.9	1.6	12.2	3.0	0.9	19.8	8.1	2.0	9.5	60.6	3.2	6.2	61.0	60.2
Iran, Islamic Rep.	934	6.8	1.8	26.9	1.0	7.7	6.0	18.9	1.3	29.6	44.2	16.2	13.4	43.2	44.4
Ireland	773	42.7	0.6	13.4	2.2	0.6	24.1	6.0	2.3	8.1	59.5	4.4	3.8	58.8	60.2
Israel	374	47.2	1.7	7.2	1.5	1.7	17.2	1.7	0.6	21.3	59.2	11.9	9.4	50.8	69.5
Japan	1282	57.4	2.3	4.5	9.6	11.2	7.4	3.6	0.9	3.2	85.0	1.6	1.6	83.8	86.0
Korea	738	43.3	3.4	13.9	1.4	5.2	9.1	13.5	0.0	10.1	67.2	6.0	4.1	64.9	69.2
Kuwait	429	14.8	0.6	30.4	1.0	1.6	5.5	14.9	0.7	30.3	48.5	18.3	12.1	58.6	38.6
Latvia (LSS)	600	32.8	0.9	14.5	0.9	4.1	18.6	3.6	1.8	22.8	53.2	14.4	8.3	54.6	51.7
Lithuania	625	41.2	3.6	6.3	4.0	1.8	6.8	7.3	1.0	28.0	56.9	20.0	8.0	59.6	53.6
Netherlands	483	61.1	2.2	4.2	1.0	1.6	5.8	8.5	7.2	8.4	70.1	2.4	6.0	69.1	70.9
New Zealand	918	53.4	3.1	15.7	2.8	3.4	10.9	3.1	1.0	6.6	78.5	3.7	2.9	81.3	75.8
Norway	821	53.3	7.2	8.7	1.4	1.1	9.2	7.6	4.0	7.6	71.7	2.6	5.0	75.1	67.9
Philippines	1497	32.2	3.9	22.7	1.5	1.5	5.2	14.8	5.1	13.2	61.7	10.2	3.1	64.3	58.7
Portugal	838	32.1	0.8	18.9	1.7	2.9	19.3	6.2	2.4	15.8	56.2	8.7	7.1	58.2	54.4
Romania	931	47.2	0.2	11.4	1.2	2.2	1.8	5.4	0.4	30.2	62.2	25.4	4.8	63.5	61.1
Russian Federation	1034	52.5	3.4	5.3	1.5	2.7	3.6	3.5	3.9	23.6	65.4	18.1	5.6	64.3	66.5
Scotland	704	35.5	1.6	13.3	3.2	0.3	26.4	6.1	0.9	12.7	53.9	7.2	5.5	49.2	58.1
Singapore	1147	87.8	0.2	4.7	0.2	3.0	1.1	1.0	0.2	1.8	96.0	1.3	0.4	96.3	95.8
Slovak Republic	440	51.5	2.3	3.9	1.2	7.6	8.0	4.1	1.4	20.0	66.5	12.3	7.7	71.1	62.1
Slovenia	696	52.6	2.4	11.5	1.8	5.2	7.7	6.0	1.0	11.7	73.6	6.1	5.6	73.4	74.1
South Africa	1150	15.2	0.1	13.8	1.4	3.2	1.2	20.0	0.5	44.6	33.7	41.9	2.7	27.5	40.4
Spain	974	36.3	0.6	14.4	2.8	2.6	24.1	4.8	0.1	14.4	56.6	9.9	4.5	55.8	57.5
Sweden	1036	50.9	1.6	12.6	2.1	1.2	12.1	8.6	2.7	8.3	68.3	4.0	4.2	68.9	68.1
Switzerland	1199	43.8	8.6	13.2	5.4	1.5	8.7	6.8	1.9	10.0	72.5	5.1	4.9	75.4	69.9
Thailand	1504	34.0	0.8	35.9	4.0	4.2	5.2	8.6	0.2	7.1	78.9	4.8	2.3	80.5	77.2
United States	1769	36.4	2.6	16.9	5.8	1.4	19.9	8.0	1.1	7.9	63.1	4.5	3.4	63.3	62.8
INTERNATIONAL AVG	.	41.9	2.8	12.9	2.1	4.3	11.2	7.8	1.5	15.5	64.0	10.1	5.5	64.4	63.6

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X02B
 Explain why light is important in aquarium ecosystem. (Life Science)
 Difficulty: 685

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	19	70	71	72	79	90	99	V1				
Australia	1805	9.9	1.9	11.9	15.3	4.2	17.2	25.6	1.8	12.1	23.7	7.9	4.2	24.2	23.3
Austria	675	18.8	0.8	25.3	6.0	2.8	9.6	22.9	2.9	10.9	44.9	4.1	6.8	41.5	47.9
Belgium (Fl)	730	14.1	2.0	27.4	7.9	1.1	12.7	22.4	0.5	12.0	43.5	8.1	3.8	41.6	45.5
Belgium (Fr)	631	0.0	0.0	26.6	0.0	0.0	0.0	42.8	0.0	30.6	26.6	20.9	9.7	23.9	30.2
Bulgaria	330	33.4	6.8	14.5	2.2	1.2	0.6	10.9	2.3	28.0	54.8	21.6	6.4	57.8	50.8
Canada	2095	8.0	3.2	14.3	18.7	4.0	21.5	21.1	1.0	8.1	25.6	5.8	2.3	24.4	26.9
Colombia	658	7.8	2.4	9.9	4.3	2.5	4.6	32.5	1.4	34.5	20.1	26.9	7.6	18.4	22.2
Cyprus	743	27.7	0.8	9.5	14.6	8.0	6.3	6.3	2.3	24.6	38.0	20.7	3.9	41.3	35.0
Czech Republic	835	20.2	1.6	20.0	8.0	2.6	15.2	20.7	0.6	11.3	41.7	5.5	5.8	40.8	42.6
Denmark	576	7.1	2.4	22.6	12.0	1.4	10.9	18.2	1.2	24.3	32.1	18.3	6.0	27.4	37.8
England	434	10.9	1.9	9.1	18.8	2.9	23.5	21.3	2.9	8.7	21.8	4.1	4.5	21.3	22.3
France	769	7.2	4.4	15.8	14.2	2.4	9.6	19.0	2.6	24.9	27.5	16.1	8.8	24.5	30.0
Germany	713	17.6	3.1	22.0	8.2	1.7	7.4	12.0	1.5	26.5	42.6	14.1	12.4	38.2	47.4
Greece	995	16.3	2.6	14.3	15.3	3.9	4.5	22.5	1.9	18.7	33.2	13.1	5.6	32.8	33.6
Hong Kong	826	19.8	1.1	4.8	13.2	5.4	12.8	22.0	1.1	19.8	25.7	13.6	6.3	21.7	29.3
Hungary	754	25.2	0.2	14.2	6.9	1.2	3.8	23.3	0.6	24.6	39.6	15.7	8.9	38.9	40.5
Iceland	442	8.8	0.9	7.5	23.0	2.7	3.4	37.2	1.4	15.1	17.2	7.8	7.3	14.0	20.6
Iran, Islamic Rep.	934	2.5	2.0	27.5	9.3	8.4	2.2	17.0	1.5	29.6	31.9	25.4	4.2	36.3	28.2
Ireland	773	11.5	1.9	8.2	22.6	5.7	16.4	21.6	1.9	10.1	21.6	6.1	4.0	18.9	24.5
Israel	374	15.1	1.4	12.5	11.6	5.2	14.9	12.8	0.8	25.6	29.0	20.1	5.5	24.1	34.8
Japan	1282	49.8	0.1	5.9	5.9	1.3	9.4	19.8	1.5	6.1	55.9	2.9	3.2	53.1	58.6
Korea	738	38.7	10.7	6.8	4.8	5.7	3.7	19.4	0.0	10.3	56.2	7.3	2.9	56.0	56.3
Kuwait	429	16.9	1.5	3.2	11.0	4.2	4.3	19.7	0.6	38.6	21.5	22.3	16.3	25.4	17.8
Latvia (LSS)	600	6.0	2.5	4.4	24.8	2.0	9.8	23.5	2.9	24.0	12.9	18.8	5.3	10.9	15.4
Lithuania	625	19.6	1.6	17.1	6.0	1.8	6.4	13.1	0.7	33.8	38.3	25.6	8.2	40.1	36.0
Netherlands	483	13.9	0.7	12.4	5.5	4.1	18.6	25.9	9.4	9.5	27.0	7.7	1.8	24.7	29.3
New Zealand	918	5.2	1.8	12.7	26.6	5.9	21.9	14.5	1.1	10.3	19.7	5.6	4.7	18.9	20.5
Norway	820	11.2	6.8	17.0	11.2	1.2	10.6	23.8	6.6	11.5	35.0	5.5	6.1	33.8	36.4
Philippines	1497	10.7	11.2	3.9	19.5	4.1	3.5	25.7	2.9	18.7	25.7	12.4	6.3	24.8	27.0
Portugal	838	9.3	2.1	15.8	14.8	1.5	7.2	26.0	2.9	20.4	27.2	14.1	6.3	26.3	28.1
Romania	931	32.4	1.4	8.7	5.8	1.2	1.4	13.3	0.1	35.8	42.5	29.1	6.7	43.8	41.5
Russian Federation	1034	25.1	1.6	14.7	7.6	0.0	5.4	9.3	4.2	32.2	41.4	21.0	11.2	39.1	43.8
Scotland	704	6.6	1.2	5.5	29.2	8.0	13.1	21.9	1.0	13.6	13.2	10.4	3.2	10.7	15.6
Singapore	1147	70.1	1.0	6.9	8.1	3.8	2.7	4.6	0.2	2.6	78.0	1.7	0.9	78.9	77.1
Slovak Republic	440	15.9	2.4	15.5	6.8	1.6	9.4	18.9	2.2	27.3	33.8	17.0	10.3	34.7	32.9
Slovenia	696	23.4	7.6	14.0	11.2	0.6	7.1	24.4	0.7	10.9	45.1	9.5	1.4	42.9	47.5
South Africa	1150	2.9	2.2	3.8	6.8	7.4	3.4	25.5	0.5	47.5	9.0	43.3	4.2	8.3	9.8
Spain	974	18.0	1.7	15.2	20.2	3.9	4.8	19.3	0.1	17.0	34.8	12.5	4.4	32.2	37.6
Sweden	1036	6.3	3.3	14.3	7.5	1.9	17.2	37.6	2.7	9.1	23.9	7.2	1.9	23.1	24.9
Switzerland	1199	7.3	1.8	23.9	12.6	2.6	9.8	27.0	1.8	13.2	33.0	8.2	4.9	30.1	35.7
Thailand	1504	43.4	0.7	4.5	9.8	4.0	2.2	26.2	0.2	9.0	48.6	6.5	2.4	50.7	46.2
United States	1769	6.9	2.5	16.1	17.6	4.4	23.3	19.4	0.7	9.0	25.6	6.9	2.0	24.6	26.6
INTERNATIONAL AVG	.	17.2	2.6	13.3	12.0	3.3	9.3	21.2	1.7	19.3	33.1	13.6	5.7	32.0	34.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y01
 Explain amount of light/electric energy in a lamp. (Physics)
 Difficulty: 963

COUNTRY	N	10	11	12	19	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
																REACH ED			
Australia	1797	4.0	1.1	1.8	0.5	29.0	9.5	19.8	8.2	2.2	16.9	0.8	0.9	5.3	7.5	0.9	4.3	5.4	9.4
Austria	684	7.4	1.0	2.5	0.2	23.5	17.4	19.1	9.6	3.2	12.7	0.2	0.6	2.8	11.0	0.5	2.3	8.0	14.2
Belgium (Fl)	738	14.2	0.5	2.1	1.8	23.4	15.5	16.3	10.7	2.1	8.7	0.5	0.1	4.0	18.5	0.6	3.4	15.4	21.5
Belgium (Fr)	645	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	24.2	58.5	0.0	14.7	2.6	1.1	13.6	3.6	1.5
Bulgaria	347	7.1	4.2	0.0	1.6	7.3	14.9	7.6	21.7	9.7	2.9	3.5	0.6	18.9	12.9	2.7	16.2	11.1	15.2
Canada	2088	2.8	2.0	1.6	1.4	29.4	8.5	21.9	8.2	1.9	18.5	0.3	0.1	3.1	7.9	1.0	2.2	6.0	9.9
Colombia	650	0.0	0.0	0.2	0.7	15.2	13.6	20.3	8.4	0.0	13.5	0.8	0.2	27.1	0.9	15.7	11.4	1.0	0.7
Cyprus	763	2.2	0.0	0.1	1.2	27.5	13.7	24.5	12.8	0.2	6.4	1.0	0.3	10.1	3.5	0.6	9.5	2.7	4.3
Czech Republic	819	7.4	1.6	3.7	7.7	31.8	9.5	13.0	6.4	1.7	11.3	0.0	0.3	5.7	20.3	0.6	5.1	10.9	28.7
Denmark	579	1.3	0.4	0.2	0.4	7.3	19.3	19.3	18.3	1.2	2.8	0.0	1.7	27.7	2.4	5.3	22.4	1.7	3.2
England	430	6.0	2.4	2.7	0.4	36.8	6.1	20.3	4.3	2.6	14.7	0.2	0.8	2.6	11.6	0.2	2.4	10.7	12.3
France	744	0.2	0.1	0.4	0.6	36.6	21.6	15.7	6.3	0.4	8.9	0.7	0.9	7.4	1.3	0.4	7.0	0.9	1.9
Germany	722	4.9	0.6	1.5	2.0	23.7	17.4	18.3	13.8	0.8	4.4	0.5	0.6	11.5	9.0	3.3	8.1	7.0	11.5
Greece	1002	4.2	0.8	1.0	0.8	25.2	13.2	19.2	6.3	2.2	9.8	1.0	1.4	14.7	6.9	2.7	12.0	8.1	5.7
Hong Kong	828	5.0	0.2	0.1	2.0	33.9	15.5	16.4	8.4	3.3	10.5	0.7	0.5	3.4	7.3	0.5	2.9	3.8	10.3
Hungary	750	6.0	0.6	0.3	2.3	22.6	18.2	13.2	6.2	2.7	6.7	0.6	0.1	20.4	9.2	2.4	18.0	7.2	11.2
Iceland	436	1.8	0.2	0.0	1.5	20.4	16.7	20.1	10.8	0.6	17.9	0.4	1.4	8.2	3.5	0.6	7.6	1.6	5.1
Iran, Islamic Rep.	924	7.9	1.6	0.6	3.1	13.3	14.4	19.3	19.6	3.8	7.2	2.1	0.6	6.5	13.2	1.5	5.0	10.1	15.7
Ireland	770	2.6	0.6	0.1	0.9	37.3	9.8	19.5	6.3	1.4	16.1	0.3	0.8	4.4	4.2	0.6	3.8	3.2	5.2
Israel	349	1.7	1.9	1.7	0.3	36.1	11.8	13.9	7.1	0.5	4.2	0.0	0.2	20.6	5.6	3.7	16.9	4.6	6.9
Japan	1291	3.2	0.1	0.8	3.3	36.5	9.9	14.6	8.6	0.5	21.2	0.0	0.1	1.3	7.4	0.1	1.2	3.9	10.6
Korea	730	3.3	0.8	4.8	5.3	33.8	2.2	23.2	2.8	2.3	11.0	4.6	0.0	5.8	14.2	0.0	5.8	12.7	15.5
Kuwait	429	1.6	3.2	0.6	2.2	19.1	12.7	18.7	7.8	0.2	4.5	11.8	0.5	17.1	7.6	2.9	14.2	8.9	6.4
Latvia (LSS)	609	1.8	1.2	0.0	1.6	12.9	18.9	26.6	12.8	0.3	4.2	0.1	1.4	18.2	4.6	3.0	15.3	2.9	6.4
Lithuania	626	1.3	0.1	0.1	1.7	12.7	15.6	17.3	10.8	0.2	4.7	1.4	0.4	33.8	3.2	7.7	26.2	1.8	4.8
Netherlands	514	5.0	1.4	1.3	2.5	28.6	7.8	14.9	12.4	2.7	16.0	0.4	1.9	5.0	10.3	1.1	3.9	8.7	11.9
New Zealand	902	2.6	0.4	1.5	1.5	31.9	9.6	21.6	5.5	2.6	17.6	0.0	0.5	4.8	6.0	0.4	4.4	5.3	6.7
Norway	818	1.7	0.5	0.1	0.9	22.6	16.6	27.0	11.3	0.6	14.3	0.5	0.7	3.3	3.2	0.3	2.9	2.7	3.7
Philippines	1513	1.5	0.8	0.3	1.1	36.5	6.3	23.3	2.7	0.5	9.6	2.6	4.4	10.4	3.6	0.5	9.8	4.0	3.2
Portugal	835	1.0	0.7	0.9	1.5	32.5	9.8	25.5	6.2	1.7	11.6	0.6	1.1	7.2	4.0	1.3	5.9	4.0	4.0
Romania	928	2.2	1.6	1.6	1.8	14.3	20.3	12.0	11.2	2.0	4.3	4.2	0.4	24.1	7.2	4.7	19.4	7.1	7.2
Russian Federation	1017	4.2	5.4	1.8	3.0	16.9	15.3	12.7	10.3	1.5	2.3	0.1	2.0	24.6	14.4	3.6	21.0	12.7	16.3
Scotland	694	1.6	1.4	0.6	1.5	31.5	9.4	22.5	7.5	2.7	16.4	0.1	0.7	4.1	5.0	0.5	3.6	5.3	4.8
Singapore	1141	14.4	1.3	0.4	3.2	38.1	5.2	12.5	5.2	1.0	16.6	0.4	0.0	1.7	19.3	0.0	1.7	18.1	20.5
Slovak Republic	883	9.2	1.0	2.4	4.1	24.9	12.6	17.1	10.0	0.9	3.1	0.7	1.3	12.6	16.8	2.8	9.9	14.1	19.5
Slovenia	680	11.7	2.0	1.1	3.3	30.3	16.5	12.1	8.9	1.1	8.8	1.3	0.1	2.9	17.9	0.3	2.6	13.0	23.3
South Africa	1133	0.2	0.4	0.4	1.2	13.5	8.7	22.3	7.6	0.6	5.5	9.8	2.4	27.3	2.2	2.8	24.5	2.4	1.7
Spain	959	1.0	0.6	0.3	0.9	37.0	11.1	19.9	5.5	2.0	10.2	0.3	0.4	10.8	2.8	2.1	8.7	2.1	3.4
Sweden	1033	0.7	0.4	0.2	1.5	24.4	19.0	24.2	13.6	1.7	7.6	0.7	1.2	4.8	2.8	0.3	4.5	1.9	3.7
Switzerland	1204	2.8	0.8	1.1	1.9	21.6	13.0	22.7	9.8	1.8	15.6	0.3	0.6	8.0	6.6	1.3	6.7	4.4	8.4
Thailand	1442	0.4	0.6	0.4	0.2	26.3	6.7	27.3	5.6	1.6	23.9	0.1	0.2	6.9	1.6	0.9	6.0	1.5	1.7
United States	1731	0.5	1.0	0.8	0.6	30.5	8.7	23.0	5.3	2.3	23.7	0.7	0.5	2.4	3.0	0.1	2.2	2.5	3.5
INTERNATIONAL AVG	.	3.8	1.1	1.0	1.8	25.2	12.4	18.5	8.9	1.7	11.2	2.7	0.8	10.9	7.7	1.9	8.9	6.3	9.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y02
 Explain temperature of melting snowball. (Physics)
 Difficulty: 792

COUNTRY	N	NOT REACH ED										1.GIRL % Right	2.BOY % Right				
		20	29	10	19	70	71	72	79	90	99			V1	V2	OMIT	
Australia	1797	10.1	1.3	15.0	13.5	26.9	5.3	1.8	13.2	1.0	12.0	39.9	11.3	3.4	8.6	12.1	10.6
Austria	684	16.4	1.5	14.0	19.6	17.3	7.3	1.9	10.4	2.3	9.2	51.5	17.9	1.1	8.2	17.8	17.7
Belgium (Fl)	738	18.2	2.6	8.9	15.2	22.4	5.5	2.5	14.0	1.0	9.7	44.9	20.8	1.7	8.0	23.1	18.5
Belgium (Fr)	645	0.0	16.2	0.0	28.6	0.0	0.0	0.0	34.6	0.0	20.7	44.8	16.2	5.9	14.8	20.2	12.0
Bulgaria	347	10.7	0.2	22.7	9.8	9.7	5.1	1.8	10.2	1.4	28.4	43.4	10.9	14.7	13.7	9.1	13.1
Canada	2088	14.0	1.8	11.7	21.0	22.5	3.0	1.4	13.7	1.6	9.3	48.5	15.8	1.9	7.4	14.8	16.9
Colombia	650	1.8	1.1	9.1	4.1	6.2	3.4	1.6	17.3	0.7	54.8	16.0	2.8	24.3	30.6	3.5	2.3
Cyprus	763	3.8	2.3	13.7	5.5	13.8	5.3	2.3	21.8	0.5	30.9	25.4	6.2	7.0	23.9	5.5	6.8
Czech Republic	819	13.1	4.3	16.2	12.9	14.9	4.3	1.5	18.6	0.2	14.0	46.5	17.4	3.2	10.8	12.7	21.7
Denmark	579	8.1	2.9	18.8	11.5	4.1	1.8	8.6	11.2	1.6	31.4	41.3	10.9	16.9	14.5	13.1	8.8
England	430	13.2	4.0	14.2	15.5	23.5	8.0	1.1	14.7	0.5	5.3	46.9	17.2	0.2	5.1	17.5	17.0
France	744	15.0	2.7	13.8	9.6	19.0	10.6	1.8	10.3	1.0	16.3	41.0	17.7	3.4	12.9	20.3	16.0
Germany	717	13.1	1.0	9.9	19.0	12.4	6.0	2.8	10.5	2.2	23.1	42.9	14.0	6.9	16.2	16.5	11.3
Greece	1001	6.7	1.0	16.0	9.1	22.7	6.1	2.2	18.1	0.8	17.2	32.9	7.7	8.3	8.9	6.9	8.5
Hong Kong	829	3.4	1.2	23.9	5.0	25.8	4.3	2.9	17.0	0.8	15.7	33.5	4.6	2.5	13.3	4.1	5.0
Hungary	750	10.3	0.6	15.6	2.7	30.2	10.1	2.7	9.5	0.2	18.2	29.2	10.9	8.6	9.6	10.1	11.7
Iceland	435	12.6	2.4	20.2	26.9	10.7	1.2	0.7	12.4	1.3	11.5	62.1	15.0	1.8	9.8	11.1	18.5
Iran, Islamic Rep.	924	2.0	1.1	3.1	21.2	4.4	1.9	10.2	29.3	2.0	24.8	27.4	3.1	5.8	19.0	1.4	4.3
Ireland	770	9.3	1.5	20.1	17.3	24.9	4.9	0.9	14.8	1.1	5.2	48.1	10.8	1.9	3.2	10.0	11.7
Israel	347	8.7	0.8	9.8	24.6	20.7	7.1	1.5	5.7	0.6	20.6	43.9	9.5	11.7	8.9	10.7	8.7
Japan	1291	11.3	0.3	20.0	42.6	6.7	1.5	0.6	8.4	1.2	7.4	74.2	11.6	0.8	6.6	10.4	12.8
Korea	730	17.6	6.6	19.3	13.4	11.5	4.2	1.3	16.3	0.0	9.7	56.9	24.2	3.2	6.5	23.6	24.7
Kuwait	429	4.2	2.6	5.8	4.1	8.8	2.6	5.8	18.3	2.5	45.4	16.6	6.7	16.0	29.4	7.3	6.2
Latvia (LSS)	609	9.5	2.6	13.8	16.1	9.3	6.4	3.9	8.8	2.7	26.7	42.1	12.1	13.1	13.7	11.9	12.4
Lithuania	626	6.3	1.6	16.5	9.6	7.6	4.7	3.4	16.1	0.9	33.2	34.1	7.9	21.0	12.2	8.8	6.9
Netherlands	515	17.7	0.2	9.9	27.8	10.8	4.7	3.6	12.0	3.4	9.8	55.6	17.9	3.6	6.2	18.9	17.0
New Zealand	902	12.7	11.2	11.6	12.1	26.9	5.2	2.6	7.4	0.2	10.0	47.6	23.9	2.5	7.5	22.5	25.3
Norway	818	17.1	0.1	20.0	13.8	17.0	3.8	3.4	15.7	2.5	6.6	51.0	17.3	1.2	5.3	19.1	15.6
Philippines	1513	3.4	1.9	5.0	1.6	22.1	1.2	3.4	26.4	2.4	32.8	11.8	5.2	9.3	23.5	5.8	4.5
Portugal	835	6.5	3.6	16.8	7.8	18.8	7.6	2.4	15.2	2.3	18.8	34.7	10.1	4.0	14.9	12.5	7.9
Romania	927	8.7	1.2	11.6	7.3	9.3	6.7	7.3	13.1	0.4	34.5	28.8	9.9	17.5	17.0	10.1	9.6
Russian Federation	1017	15.1	3.1	17.7	10.6	7.8	3.3	4.4	6.4	2.4	29.2	46.5	18.2	15.4	13.8	16.4	20.2
Scotland	694	8.2	5.6	11.6	22.3	20.8	5.9	1.0	13.8	1.0	9.9	47.6	13.7	2.2	7.7	12.6	14.8
Singapore	1141	14.1	4.1	19.8	10.0	41.0	1.0	1.2	3.8	0.1	4.9	47.9	18.2	0.4	4.5	14.9	21.3
Slovak Republic	883	10.8	7.7	12.0	13.4	9.5	5.5	2.9	15.3	2.0	20.9	43.9	18.5	8.3	12.6	18.1	18.8
Slovenia	679	8.8	4.6	14.9	15.3	11.9	8.8	3.7	13.1	2.0	16.9	43.5	13.4	1.6	15.3	11.5	15.5
South Africa	1133	2.6	1.7	4.5	5.4	2.4	0.8	2.0	23.3	0.4	56.8	14.2	4.3	25.6	31.2	4.8	3.4
Spain	959	6.8	3.5	19.8	11.0	23.1	4.3	2.3	12.4	0.6	16.4	40.9	10.2	5.9	10.5	10.9	9.6
Sweden	1033	14.9	0.3	21.3	14.1	10.1	6.7	7.2	15.2	1.5	8.5	50.6	15.2	1.9	6.6	16.6	13.8
Switzerland	1204	15.5	2.6	15.7	25.9	8.7	5.1	1.8	14.8	1.6	8.4	59.6	18.0	3.2	5.2	17.1	18.8
Thailand	1442	7.1	2.4	29.1	2.8	28.4	1.2	3.5	7.8	0.0	17.6	41.4	9.5	5.3	12.3	8.3	11.6
United States	1731	22.9	1.8	19.5	1.0	29.1	2.8	1.8	10.4	1.1	9.9	45.1	24.7	1.7	8.2	26.5	22.8
INTERNATIONAL AVG	.	10.3	2.8	14.6	13.8	16.0	4.7	2.9	14.3	1.2	19.4	41.5	13.1	7.0	12.3	13.1	13.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z01A
 Explain why steel bridges must be painted. (Chemistry)
 Difficulty: 516

COUNTRY	N	10	19	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH			OMIT	% Right	% Right
												ED			
Australia	895	74.9	1.6	2.8	2.9	0.0	0.4	7.7	1.3	8.4	76.5	1.4	7.0	72.2	80.5
Austria	354	71.2	0.0	3.7	4.0	0.0	0.4	8.6	2.2	10.0	71.2	1.2	8.8	65.3	77.5
Belgium (Fl)	367	79.1	4.1	3.6	2.0	0.0	0.5	4.3	0.3	6.0	83.2	0.2	5.8	81.9	84.5
Belgium (Fr)	322	0.0	50.9	0.0	0.0	0.0	0.0	18.7	0.0	30.4	50.9	4.5	25.9	46.8	56.3
Bulgaria	179	43.8	7.9	6.7	0.2	2.5	0.0	10.9	1.2	26.7	51.8	11.3	15.4	59.7	43.1
Canada	1044	61.3	2.3	9.6	2.6	0.0	0.3	13.6	1.8	8.5	63.6	1.8	6.7	58.5	69.3
Colombia	321	24.0	10.3	7.7	3.5	0.5	1.9	12.9	0.7	38.5	34.3	14.2	24.3	35.8	33.2
Cyprus	385	53.1	4.0	2.8	0.5	0.0	0.0	13.1	0.9	25.5	57.1	7.9	17.6	54.5	60.1
Czech Republic	401	81.2	3.5	0.3	1.1	0.0	0.3	3.4	0.8	9.5	84.7	1.9	7.6	79.6	89.5
Denmark	282	54.3	0.8	5.4	8.0	2.2	1.2	1.8	0.0	26.2	55.1	5.5	20.8	52.7	56.9
England	217	76.1	9.2	2.3	0.0	0.0	0.0	7.7	0.0	4.7	85.3	1.2	3.5	84.3	86.0
France	360	54.8	3.3	6.4	2.3	0.3	0.7	13.2	0.5	18.6	58.1	2.1	16.4	55.4	62.5
Germany	353	62.2	2.3	3.1	2.5	0.0	0.4	3.0	2.7	23.8	64.5	5.3	18.5	66.6	63.7
Greece	494	70.6	2.2	5.2	1.8	0.5	1.1	6.6	0.4	11.6	72.8	1.2	10.5	72.6	72.9
Hong Kong	419	53.1	1.4	4.1	5.1	0.0	0.0	14.1	2.0	20.2	54.5	2.3	17.9	51.9	56.6
Hungary	370	68.0	1.9	3.5	3.8	0.0	0.0	7.0	0.2	15.5	70.0	1.4	14.1	68.9	71.0
Iceland	221	64.0	2.9	2.8	0.2	0.0	6.4	10.9	1.6	11.2	66.9	6.6	4.6	63.2	69.7
Iran, Islamic Rep.	464	65.3	0.6	1.2	0.9	0.0	0.0	13.3	1.1	17.6	65.9	2.3	15.3	55.2	73.6
Ireland	384	75.8	5.2	4.1	0.8	0.2	0.5	7.1	1.5	4.9	80.9	0.3	4.6	78.3	83.8
Israel	162	54.8	3.8	4.0	0.5	0.0	0.0	8.6	0.6	27.8	58.6	5.6	22.2	56.5	59.2
Japan	646	33.5	0.0	25.1	6.6	0.5	0.2	22.0	1.3	10.8	33.5	0.7	10.1	33.2	33.8
Korea	365	35.5	6.1	25.0	8.9	0.3	0.0	19.6	0.0	4.6	41.7	0.3	4.3	35.4	46.9
Kuwait	211	49.6	2.7	11.2	2.2	0.0	0.0	14.5	1.9	17.9	52.3	8.9	9.0	61.0	44.2
Latvia (LSS)	309	71.1	0.5	5.1	1.2	0.0	0.3	5.5	1.1	15.2	71.6	7.1	8.0	71.6	71.7
Lithuania	312	41.5	0.3	3.3	0.8	0.0	0.0	14.7	1.3	38.1	41.8	11.4	26.7	31.8	51.9
Netherlands	259	78.3	5.1	3.8	0.0	0.0	0.6	6.4	3.2	2.6	83.4	0.9	1.8	76.9	90.1
New Zealand	446	66.5	0.6	6.2	10.7	0.0	0.9	7.5	1.0	6.7	67.1	0.3	6.4	62.6	71.3
Norway	411	61.6	0.2	5.8	6.8	0.2	1.2	7.7	3.6	12.9	61.9	1.5	11.4	56.7	66.6
Philippines	760	27.4	1.1	12.6	0.8	0.3	0.7	32.9	3.6	20.8	28.4	5.8	15.0	29.8	27.0
Portugal	418	65.9	2.9	3.2	5.9	0.0	0.2	9.9	1.6	10.5	68.8	1.3	9.2	62.1	75.3
Romania	464	54.3	1.8	2.7	0.0	0.0	1.7	7.3	0.7	31.4	56.1	8.1	23.3	52.8	59.5
Russian Federation	502	48.6	2.2	4.0	2.1	0.0	0.3	6.6	2.6	33.7	50.8	7.0	26.7	44.8	57.0
Scotland	343	78.1	2.5	4.0	0.8	0.0	0.3	8.8	0.9	4.5	80.6	0.2	4.3	74.4	86.8
Singapore	576	83.5	0.3	2.6	6.8	0.0	0.0	3.5	0.4	2.9	83.8	0.5	2.4	84.7	83.1
Slovak Republic	440	74.4	1.2	0.2	4.9	0.0	0.0	4.7	0.9	13.7	75.6	3.9	9.8	73.1	78.2
Slovenia	329	72.9	4.0	2.4	0.6	0.0	0.0	3.5	1.5	15.1	76.9	1.2	14.0	74.7	79.3
South Africa	564	15.0	1.1	5.9	0.6	0.6	0.0	28.4	1.1	47.3	16.1	24.1	23.2	14.9	17.3
Spain	476	64.4	2.9	4.0	5.6	0.2	1.4	8.5	0.6	12.5	67.3	0.9	11.6	62.9	71.0
Sweden	526	72.3	1.0	2.5	5.1	0.2	2.1	6.7	4.5	5.7	73.3	0.5	5.2	66.9	79.4
Switzerland	612	61.9	2.0	7.0	4.7	0.3	3.2	4.8	4.2	11.8	63.9	1.5	10.3	61.1	66.0
Thailand	704	71.8	1.1	9.5	0.6	0.2	0.0	10.8	0.4	5.5	72.9	1.8	3.7	73.2	73.1
United States	859	60.8	4.7	6.1	2.8	0.0	0.8	15.5	2.6	6.6	65.6	0.3	6.2	65.6	65.5
INTERNATIONAL AVG	.	59.0	3.9	5.5	2.9	0.2	0.7	10.4	1.4	16.1	62.8	4.0	12.1	60.2	65.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z01B
 Describe a consequence of using longer-lasting paint on bridge requiring year-round paint (Chemistry)
 Difficulty: 636

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right	% Right
												ED	OMIT		
Australia	895	6.0	26.7	12.4	0.3	3.7	3.9	30.0	2.4	14.7	45.4	3.6	11.1	43.0	47.5
Austria	354	14.7	33.4	2.5	0.0	5.4	1.3	20.5	6.4	15.7	50.7	4.1	11.6	49.2	52.2
Belgium (Fl)	367	20.0	40.1	2.9	0.5	6.9	1.5	15.2	0.7	12.2	63.5	3.6	8.5	62.1	64.8
Belgium (Fr)	322	0.0	0.0	0.0	40.3	0.0	0.0	32.4	0.0	27.3	40.3	12.7	14.5	40.5	40.8
Bulgaria	179	21.5	12.5	13.7	5.6	5.5	0.8	8.2	1.3	30.9	53.3	23.2	7.7	56.7	49.6
Canada	1044	5.1	18.5	14.2	1.1	4.7	3.3	35.6	3.3	14.2	38.8	3.4	10.8	34.3	43.4
Colombia	321	2.5	7.4	0.8	6.7	12.0	6.6	26.2	0.7	37.1	17.4	26.3	10.8	19.2	15.8
Cyprus	385	9.6	9.1	0.7	0.2	8.4	1.5	29.6	2.0	38.6	19.7	18.5	20.2	15.4	24.7
Czech Republic	401	14.2	31.3	0.6	0.4	17.1	5.6	9.0	2.4	19.3	46.5	4.9	14.5	40.4	52.2
Denmark	282	13.2	33.9	0.0	0.6	8.9	4.9	4.8	0.3	33.5	47.6	12.3	21.1	42.9	51.7
England	217	15.3	26.8	6.6	0.5	7.9	2.3	26.6	3.8	10.2	49.2	3.1	7.0	43.9	53.2
France	360	9.3	27.9	1.7	2.2	3.5	5.4	19.8	4.1	26.0	41.2	9.7	16.3	41.6	42.6
Germany	354	11.8	29.0	2.0	0.6	2.9	4.6	9.0	2.4	37.7	43.4	13.5	24.2	42.3	45.0
Greece	495	12.1	18.5	1.2	2.1	10.1	4.3	24.2	1.3	26.3	33.9	4.4	21.9	33.0	34.6
Hong Kong	420	9.5	34.1	1.4	2.4	11.4	1.9	16.0	1.5	21.9	47.4	10.0	11.8	46.1	48.4
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	221	17.5	21.0	4.5	1.4	7.7	1.3	26.5	2.3	17.8	44.4	8.6	9.2	34.2	52.5
Iran, Islamic Rep.	464	5.9	26.9	0.0	2.2	15.7	6.9	17.5	1.0	24.0	35.0	10.8	13.2	36.5	33.8
Ireland	384	11.4	23.1	9.5	2.0	13.8	3.3	25.8	2.1	9.1	46.0	2.8	6.2	44.0	48.2
Israel	162	12.6	26.5	0.5	2.5	6.2	0.5	14.3	2.1	34.8	42.1	17.6	17.2	36.7	46.9
Japan	646	9.7	44.0	3.2	4.0	3.8	8.8	11.8	0.3	14.5	60.9	4.4	10.1	58.3	63.1
Korea	365	37.4	30.2	4.5	0.5	11.1	5.7	7.3	0.0	3.2	72.7	2.6	0.6	70.3	74.6
Kuwait	211	8.9	5.5	1.4	2.6	13.2	5.7	23.2	2.1	37.3	18.4	16.0	21.2	23.0	14.2
Latvia (LSS)	309	5.1	27.1	0.5	0.6	5.8	2.4	14.7	3.8	40.0	33.4	12.7	27.2	35.3	31.5
Lithuania	312	6.3	16.5	0.3	3.3	0.3	0.8	17.6	0.7	54.2	26.4	24.7	29.4	21.7	31.1
Netherlands	259	10.3	52.6	4.4	2.3	0.6	0.9	16.3	5.3	7.2	69.6	1.6	5.6	65.6	73.5
New Zealand	446	14.1	37.2	2.7	0.6	10.3	5.1	18.8	0.7	10.6	54.5	2.6	8.0	49.3	59.5
Norway	411	14.4	24.2	3.6	0.6	14.4	0.5	16.0	6.5	19.7	42.8	6.8	12.8	37.9	47.4
Philippines	760	11.7	1.7	0.1	1.2	4.5	7.8	33.2	2.4	37.5	14.7	15.7	21.8	16.0	13.3
Portugal	418	7.7	20.0	0.7	0.2	14.5	4.3	24.6	4.0	24.1	28.6	5.5	18.5	26.4	30.8
Romania	464	9.5	11.0	0.0	1.6	7.0	4.6	18.9	0.7	46.6	22.2	21.1	25.5	19.5	24.8
Russian Federation	502	7.4	26.9	1.4	1.8	1.3	2.5	5.1	5.1	48.6	37.5	23.3	25.3	35.7	39.3
Scotland	343	10.8	24.6	12.2	0.5	6.4	4.8	26.9	0.9	12.9	48.1	1.6	11.3	44.4	51.7
Singapore	576	20.5	30.0	3.7	0.4	11.1	3.1	24.9	0.2	6.2	54.6	1.8	4.4	53.7	55.4
Slovak Republic	440	18.6	9.7	0.0	6.5	21.6	4.8	14.3	2.1	22.3	34.8	8.6	13.7	28.4	41.6
Slovenia	329	16.3	19.8	1.9	3.2	7.0	5.0	20.0	3.1	23.7	41.2	8.1	15.6	36.9	45.7
South Africa	564	1.8	1.7	0.7	0.0	5.7	3.2	26.1	1.6	59.2	4.2	43.0	16.2	5.0	3.5
Spain	476	15.1	17.8	1.2	0.8	19.0	4.0	20.5	0.3	21.2	34.9	3.7	17.5	35.6	34.3
Sweden	526	14.7	53.4	1.2	0.7	9.9	0.9	10.1	3.0	6.1	70.0	2.6	3.5	67.3	72.5
Switzerland	612	11.1	38.4	4.1	0.4	5.1	2.3	16.7	6.2	15.8	54.0	5.3	10.4	54.1	53.9
Thailand	704	17.0	30.3	2.3	1.7	12.5	3.4	23.1	0.8	9.0	51.3	3.9	5.1	52.5	48.7
United States	859	3.9	18.0	9.5	0.6	6.1	2.1	47.3	3.0	9.5	32.0	3.2	6.3	29.5	34.6
INTERNATIONAL AVG	.	11.8	24.1	3.3	2.6	8.4	3.5	20.2	2.3	23.9	41.8	10.1	13.9	39.7	43.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z01C
 Describe second consequence of using longer-lasting paint on bridge requiring year-round (Chemistry)
 Difficulty: 732

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT	1.GIRL	2.BOY	
												REACH ED			% Right	% Right
Australia	895	12.0	6.9	6.1	1.0	1.1	2.9	32.9	2.7	34.4	26.0	5.6	28.8	24.4	27.5
Austria	354	19.2	11.6	1.2	2.4	3.0	0.8	21.6	6.4	33.8	34.4	6.5	27.2	38.8	29.5
Belgium (Fl)	367	26.7	11.1	2.4	1.3	6.1	2.5	20.5	0.7	28.6	41.5	4.3	24.4	42.7	40.5
Belgium (Fr)	322	0.0	0.0	0.0	23.6	0.0	0.0	23.9	0.0	52.4	23.6	16.4	36.0	22.3	25.5
Bulgaria	179	13.5	15.0	15.3	6.3	2.6	0.7	6.3	1.0	39.3	50.1	25.6	13.7	48.1	52.2
Canada	1044	11.2	4.8	3.8	4.1	2.9	1.5	36.5	2.2	32.8	23.9	4.8	28.0	20.4	27.5
Colombia	321	4.7	5.2	0.8	1.8	4.9	4.2	20.2	0.3	58.0	12.4	27.6	30.4	10.9	14.2
Cyprus	383	8.4	7.0	0.2	0.0	1.6	2.1	18.3	1.8	60.6	15.6	27.0	33.5	14.9	16.3
Czech Republic	401	20.8	11.0	1.1	0.5	7.5	8.3	10.3	0.9	39.5	33.5	9.3	30.2	29.4	37.4
Denmark	282	16.3	8.8	1.4	0.7	2.7	3.9	5.4	0.2	60.6	27.2	16.8	43.9	21.5	33.5
England	217	19.8	6.3	3.0	0.5	4.1	2.4	31.5	4.5	27.9	29.6	3.5	24.3	31.6	28.0
France	360	9.4	6.9	1.6	1.1	3.3	3.2	13.8	0.9	59.8	18.9	14.3	45.4	18.6	20.0
Germany	346	12.0	7.4	1.3	1.9	1.1	0.5	10.6	1.2	64.0	22.6	20.2	43.8	23.2	22.5
Greece	495	9.9	5.7	1.9	2.6	2.9	1.9	23.5	0.2	51.4	20.2	8.9	42.5	18.0	22.1
Hong Kong	418	24.1	8.6	1.6	2.0	2.0	1.0	19.6	1.0	40.1	36.3	11.0	29.0	35.7	36.8
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	221	15.0	6.8	2.4	1.7	2.7	1.4	19.9	0.0	50.0	25.9	11.1	38.9	20.3	30.4
Iran, Islamic Rep.	464	3.4	3.0	0.0	2.8	4.1	1.6	10.4	0.0	74.7	9.3	15.2	59.5	8.3	9.9
Ireland	384	19.7	9.4	6.4	2.9	4.2	3.0	28.1	1.2	25.0	38.5	4.3	20.7	39.9	36.9
Israel	162	6.5	12.1	1.2	1.0	3.5	0.5	4.9	0.8	69.5	20.8	22.2	47.3	17.0	23.9
Japan	646	19.2	12.4	3.6	8.9	2.0	4.8	7.3	0.4	41.4	44.1	6.3	35.1	44.5	43.7
Korea	365	31.6	22.6	5.1	2.9	7.8	5.2	16.2	0.0	8.6	62.2	2.6	6.0	64.1	60.7
Kuwait	211	8.9	5.5	1.4	2.6	13.2	5.7	23.2	2.1	37.3	18.4	27.8	9.4	23.0	14.2
Latvia (LSS)	309	2.1	1.8	0.7	0.8	0.4	0.5	5.6	2.6	85.5	5.5	30.4	55.0	5.5	5.4
Lithuania	312	3.0	2.3	0.6	1.4	0.0	0.0	4.8	1.1	86.9	7.2	35.3	51.7	4.8	9.7
Netherlands	259	28.5	10.8	3.6	3.4	0.0	0.4	18.4	4.8	30.1	46.4	2.0	28.1	46.6	45.5
New Zealand	446	20.6	14.8	2.3	2.3	4.2	9.4	20.2	0.5	25.8	39.9	3.7	22.1	38.0	41.8
Norway	411	18.5	7.7	2.4	0.5	3.8	3.2	19.8	9.9	34.2	29.1	8.5	25.7	30.7	27.6
Philippines	760	3.7	7.6	0.1	0.7	1.3	3.2	27.5	1.7	54.2	12.1	20.0	34.2	12.8	11.3
Portugal	417	8.6	7.4	0.7	0.9	6.4	2.7	19.6	1.4	52.3	17.6	10.3	42.0	14.2	20.9
Romania	464	4.1	3.3	0.0	0.5	1.5	2.3	16.3	0.7	71.3	7.9	29.5	41.8	5.4	10.4
Russian Federation	502	5.8	4.7	0.5	0.9	0.1	0.7	3.8	1.4	82.1	11.9	31.3	50.8	12.1	11.7
Scotland	343	12.3	10.6	4.9	0.8	3.7	4.9	25.7	0.2	37.0	28.6	3.9	33.0	24.3	32.9
Singapore	576	31.0	15.6	2.6	1.6	4.5	3.4	27.2	0.5	13.7	50.8	2.6	11.1	51.2	50.6
Slovak Republic	440	13.3	6.7	0.0	3.2	5.4	4.1	20.7	1.1	45.6	23.1	14.1	31.5	17.2	29.4
Slovenia	328	13.0	10.1	1.6	4.3	4.6	4.5	14.1	0.8	46.9	29.1	13.6	33.3	27.5	30.8
South Africa	564	1.1	2.1	0.0	0.2	1.7	0.9	14.0	0.7	79.3	3.4	50.7	28.6	3.7	3.2
Spain	476	12.2	7.6	1.9	0.6	6.9	7.2	21.5	0.0	42.1	22.3	6.1	35.9	23.6	21.2
Sweden	526	32.6	12.3	2.9	1.2	7.9	0.2	14.6	3.6	24.8	48.9	4.5	20.3	48.9	48.7
Switzerland	612	19.8	11.1	2.6	0.8	1.5	1.9	12.5	3.9	45.9	34.2	6.9	39.0	28.7	38.3
Thailand	704	22.0	13.6	2.6	3.9	6.0	0.3	21.2	0.6	29.8	42.1	6.0	23.8	42.5	41.4
United States	859	8.9	5.0	5.3	2.6	2.6	2.4	39.1	2.5	31.6	21.8	4.8	26.8	22.7	20.9
INTERNATIONAL AVG	.	14.0	8.4	2.4	2.5	3.6	2.7	18.3	1.6	46.6	27.2	14.0	32.5	26.3	28.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z02A

Write a reason why not all people have enough water. (Environment and other content)

Difficulty: 437

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	12	13	14	19	79	90	99	V1				
Australia	895	38.9	1.6	6.7	14.0	3.8	12.2	12.1	1.0	9.6	77.3	6.6	2.9	80.4	74.5
Austria	354	24.2	0.4	21.2	2.0	3.7	6.2	31.6	2.8	7.9	57.7	7.0	0.9	57.6	56.6
Belgium (Fl)	367	44.9	0.2	16.1	1.3	8.5	13.6	10.0	0.2	5.1	84.6	4.9	0.3	88.2	81.3
Belgium (Fr)	324	0.0	0.0	0.0	0.0	0.0	44.6	32.5	0.0	22.9	44.6	20.2	2.8	40.6	49.8
Bulgaria	179	22.4	8.0	15.6	9.5	0.2	7.4	2.4	1.5	33.1	63.1	27.1	6.0	62.5	63.7
Canada	1044	29.0	0.2	23.4	9.8	6.4	10.7	12.0	1.4	7.1	79.5	5.5	1.6	82.8	76.8
Colombia	321	9.1	0.1	9.5	15.6	1.8	9.1	14.6	0.0	40.2	45.2	35.3	4.8	45.4	46.0
Cyprus	385	11.2	1.0	2.5	28.5	2.8	4.0	16.1	1.3	32.7	49.9	29.6	3.1	52.1	47.4
Czech Republic	401	18.5	1.1	26.4	5.2	5.9	14.1	16.0	0.7	11.9	71.3	9.9	2.0	64.4	77.9
Denmark	282	6.0	0.0	28.0	13.7	0.4	3.0	21.0	0.3	27.4	51.2	23.1	4.4	47.9	55.2
England	217	48.2	0.3	8.0	3.9	14.9	7.7	10.9	1.5	4.6	83.1	4.1	0.5	86.6	80.3
France	360	28.4	1.3	7.9	5.2	11.5	9.0	15.3	1.6	19.8	63.2	16.8	3.0	66.3	61.3
Germany	353	21.1	1.4	13.5	4.6	11.8	8.6	13.4	2.0	23.7	61.0	22.8	0.8	63.2	59.3
Greece	495	17.5	4.7	3.4	28.0	6.1	6.9	18.5	1.6	13.3	66.6	11.4	1.9	69.7	63.8
Hong Kong	411	34.4	2.3	5.0	7.2	2.5	4.3	27.6	0.8	15.9	55.7	13.3	2.6	52.2	58.6
Hungary	370	19.8	2.3	14.0	2.5	2.7	10.8	19.4	0.6	28.0	52.0	15.0	12.9	54.5	49.7
Iceland	221	25.4	0.6	17.8	3.6	9.2	2.9	23.3	1.1	16.1	59.5	15.0	1.1	62.9	56.7
Iran, Islamic Rep.	463	9.3	4.2	1.4	28.0	10.8	7.2	15.0	0.8	23.3	60.8	21.7	1.6	56.3	64.1
Ireland	384	42.8	0.2	13.1	4.1	12.1	9.8	10.3	1.2	6.4	82.1	5.9	0.5	87.3	76.3
Israel	162	33.9	2.7	5.6	12.1	3.0	10.5	2.1	1.2	28.9	67.8	28.3	0.6	64.3	69.4
Japan	646	59.9	2.6	4.4	3.7	6.1	10.0	5.1	0.1	8.2	86.6	7.8	0.3	87.6	85.7
Korea	365	38.4	3.2	17.6	4.2	4.2	5.7	17.1	0.0	9.7	73.2	3.5	6.2	74.3	72.3
Kuwait	211	6.8	3.8	2.7	21.1	4.4	4.8	20.1	2.5	33.9	43.6	27.8	6.0	59.8	28.4
Latvia (LSS)	309	8.3	1.0	10.6	4.8	4.4	15.9	9.9	2.8	42.2	45.1	40.0	2.3	44.2	46.0
Lithuania	312	12.2	0.8	4.4	2.6	14.8	3.5	17.1	1.2	43.4	38.3	40.5	2.9	31.5	45.2
Netherlands	259	45.2	0.0	9.4	1.6	12.9	11.9	11.1	4.6	3.4	81.0	2.5	0.8	84.2	77.3
New Zealand	446	38.5	2.0	4.8	19.7	8.7	8.6	10.1	0.0	7.5	82.4	5.7	1.8	88.3	76.7
Norway	411	35.5	0.4	9.7	5.2	9.6	10.8	15.4	1.1	12.3	71.2	9.1	3.2	75.6	67.2
Philippines	760	10.5	4.1	4.3	16.6	2.9	3.7	28.2	5.0	24.7	42.1	22.8	2.0	47.7	35.4
Portugal	418	36.1	1.0	6.5	7.7	4.2	5.6	19.9	1.6	17.3	61.1	12.9	4.4	61.0	61.2
Romania	463	11.4	1.3	5.1	5.3	7.9	1.3	26.7	0.6	40.4	32.3	37.3	3.1	30.4	34.2
Russian Federation	501	5.7	0.3	15.0	5.5	8.4	8.2	7.7	10.7	38.6	43.0	37.5	1.1	45.4	40.5
Scotland	343	46.8	0.8	8.3	1.5	15.4	5.5	12.5	0.6	8.5	78.4	6.3	2.2	76.9	79.9
Singapore	576	23.0	0.3	10.2	26.4	3.0	21.8	11.6	0.1	3.6	84.7	2.8	0.9	87.0	82.5
Slovak Republic	441	44.1	2.9	10.6	2.3	6.6	2.5	4.9	1.8	24.3	69.0	19.6	4.7	68.2	69.8
Slovenia	329	26.1	1.9	14.0	4.3	6.7	7.7	11.3	1.1	26.9	60.7	17.1	9.8	62.4	58.9
South Africa	564	4.7	1.0	1.4	4.8	1.1	3.1	21.4	0.7	61.9	16.0	57.8	4.1	14.4	17.8
Spain	476	52.1	1.2	3.3	18.8	3.2	3.0	7.9	0.0	10.5	81.6	8.8	1.7	85.1	78.8
Sweden	526	28.0	1.4	14.3	2.7	8.3	9.6	18.2	4.2	13.3	64.3	7.2	6.1	68.1	60.5
Switzerland	613	35.5	0.5	8.3	4.2	5.5	8.1	26.8	1.7	9.5	62.0	8.0	1.5	66.1	59.0
Thailand	704	3.9	7.3	5.9	41.5	1.0	26.0	5.8	0.3	8.4	85.6	6.9	1.5	87.0	83.7
United States	859	27.0	1.0	19.5	12.5	2.8	14.9	14.3	1.2	6.8	77.7	5.8	1.0	81.3	74.1
INTERNATIONAL AVG	.	25.8	1.7	10.2	9.9	6.2	9.4	15.4	1.5	19.8	63.2	16.9	2.9	64.6	62.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z02B

Write a second reason why not all people have enough water. (Environment and other content)

Difficulty: 598

COUNTRY	N	10	11	12	13	14	19	79	90	99	V1	NOT	OMIT	1. GIRL % Right	2. BOY % Right
												REACH ED			
Australia	895	8.4	2.3	10.1	9.7	4.1	16.5	23.0	1.7	24.1	51.2	9.3	14.8	56.3	46.5
Austria	354	14.8	0.4	13.6	2.5	2.3	10.3	30.8	3.7	21.7	43.9	7.5	14.2	45.6	42.2
Belgium (Fl)	367	12.3	1.1	16.7	3.4	3.6	23.3	17.8	0.9	20.9	60.4	5.1	15.8	66.3	54.9
Belgium (Fr)	324	0.0	0.0	0.0	0.0	0.0	30.3	23.4	0.0	46.3	30.3	22.2	24.0	32.0	29.1
Bulgaria	179	12.3	3.1	7.8	16.4	0.0	13.2	4.1	0.8	42.3	52.8	33.1	9.2	50.9	54.9
Canada	1044	16.2	2.0	17.8	6.4	3.4	16.2	17.6	1.6	18.7	62.1	6.9	11.9	64.7	60.0
Colombia	321	4.1	1.8	9.2	8.8	0.8	7.8	17.0	0.3	50.2	32.5	40.2	10.1	29.3	36.6
Cyprus	384	4.8	0.5	3.8	14.3	2.5	3.6	21.8	1.3	47.5	29.4	32.6	15.0	34.7	23.4
Czech Republic	401	8.1	0.9	14.2	2.9	3.5	10.2	20.0	0.6	39.6	39.8	11.9	27.6	36.3	43.1
Denmark	281	3.3	0.0	11.7	8.4	0.0	3.6	33.1	0.1	39.6	27.1	27.5	12.1	24.7	30.1
England	217	12.0	2.4	10.9	7.6	8.5	20.7	15.2	1.7	21.0	62.1	4.6	16.5	62.6	61.7
France	360	9.1	0.3	9.3	6.0	6.0	8.6	17.0	1.8	42.0	39.2	19.8	22.2	41.9	36.8
Germany	351	7.5	0.2	8.1	3.4	8.0	9.5	17.3	1.5	44.5	36.6	23.8	20.7	42.4	30.6
Greece	493	8.3	6.5	5.3	11.2	6.0	8.1	22.5	1.0	31.1	45.4	13.3	17.8	45.4	45.4
Hong Kong	409	12.8	1.0	10.0	5.6	3.6	4.2	28.7	0.0	34.0	37.3	16.0	17.9	33.9	40.1
Hungary	370	6.2	3.1	15.1	5.0	4.0	12.3	16.6	0.7	37.0	45.7	20.6	16.4	47.5	44.0
Iceland	221	7.6	0.8	16.3	3.7	8.1	2.9	24.3	0.4	35.9	39.4	16.1	19.8	43.6	36.0
Iran, Islamic Rep.	462	2.1	0.6	0.1	4.5	5.1	4.1	12.3	0.2	71.0	16.5	23.0	48.0	14.2	18.2
Ireland	384	13.4	1.5	17.5	4.0	4.2	23.0	16.1	1.3	18.9	63.6	6.4	12.5	72.5	53.8
Israel	162	12.4	4.5	2.8	10.8	9.7	8.1	3.6	1.1	47.0	48.3	28.9	18.1	44.6	55.1
Japan	646	12.8	9.1	5.6	4.8	7.3	15.0	7.0	0.1	38.2	54.6	8.2	30.0	56.3	53.1
Korea	365	16.1	3.2	20.3	6.2	4.0	6.2	24.8	0.0	19.1	56.1	9.7	9.4	58.8	53.9
Kuwait	211	6.8	3.8	2.7	21.1	4.4	4.8	20.1	2.5	33.9	43.6	33.9	0.0	59.8	28.4
Latvia (LSS)	309	1.8	0.5	3.2	1.4	3.0	6.8	7.4	1.7	74.1	16.8	42.2	31.8	16.9	16.7
Lithuania	312	4.2	0.0	5.6	4.4	6.1	2.9	7.5	1.3	68.1	23.1	42.5	25.6	24.9	21.3
Netherlands	258	14.5	1.1	12.8	2.4	7.6	16.3	10.0	3.4	31.7	54.9	3.0	28.7	56.4	52.9
New Zealand	446	13.6	2.2	8.9	13.6	6.0	14.5	16.2	0.4	24.6	58.9	7.5	17.1	61.7	56.2
Norway	411	11.5	1.2	14.2	7.8	7.8	11.9	15.9	3.5	26.1	54.5	12.3	13.8	59.3	50.0
Philippines	760	1.4	8.9	6.3	5.0	1.8	4.3	35.1	2.9	34.1	27.9	24.7	9.3	32.0	23.2
Portugal	417	2.9	2.3	3.2	7.1	3.3	3.2	22.8	1.1	54.1	22.0	17.0	37.1	22.8	21.2
Romania	462	3.1	0.6	2.9	4.6	4.4	1.8	19.0	0.2	63.3	17.5	40.3	23.0	17.4	17.6
Russian Federation	501	2.4	0.4	9.4	4.8	5.0	7.0	6.8	6.9	57.2	29.1	38.5	18.7	33.3	24.7
Scotland	343	7.6	1.8	12.2	5.2	6.9	13.4	23.6	1.3	28.2	47.0	8.5	19.7	51.6	42.4
Singapore	576	11.1	0.6	12.6	22.7	4.6	17.9	21.6	1.0	7.9	69.5	3.5	4.3	74.3	65.1
Slovak Republic	440	7.6	2.1	9.2	5.0	6.1	3.7	17.1	2.0	47.4	33.5	23.9	23.5	38.1	28.7
Slovenia	329	11.0	2.0	12.4	2.2	2.7	8.4	15.0	1.1	45.3	38.6	25.6	19.6	40.6	36.5
South Africa	564	3.6	0.3	1.7	2.0	1.4	1.1	14.6	0.3	75.0	10.2	61.9	13.1	10.8	10.2
Spain	476	15.7	2.1	6.7	22.3	2.9	7.4	17.9	0.0	24.9	57.2	10.5	14.4	66.4	49.6
Sweden	526	8.8	2.5	14.8	2.8	3.3	7.6	24.4	3.0	32.7	39.9	13.3	19.4	42.6	37.3
Switzerland	613	11.1	1.3	12.2	4.3	4.4	7.7	29.3	3.1	26.7	41.0	9.5	17.2	48.7	35.3
Thailand	704	1.4	4.9	14.9	16.2	1.3	21.0	27.7	0.0	12.6	59.7	8.4	4.2	61.4	58.2
United States	859	12.1	1.1	14.0	7.8	2.6	17.4	23.2	1.8	19.9	55.1	6.8	13.1	58.8	51.2
INTERNATIONAL AVG	.	8.5	2.0	9.7	7.3	4.3	10.4	18.8	1.4	37.6	42.2	19.5	18.0	44.8	39.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
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