

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
1	BOOKLET	IDBOOK BOOKLET ID	0	NO BOOKLET WAS ASSIGNED	1- 2/C 2.0
			1	BOOKLET 1	
			2	BOOKLET 2	
			3	BOOKLET 3	
			4	BOOKLET 4	
			5	BOOKLET 5	
			6	BOOKLET 6	
			7	BOOKLET 7	
			8	BOOKLET 8	
			99	omitted	
			98	not admin.	
				VLD: IDBOOK\$'0#1#2#3#4#5#6#7#8#99#98'	
				Flags: SCR: 1 / CAR:F / CAT:ID / DEF:	
				COMMENT:	
2	SCORER R	IDSCORR RELIABILITY SCORER ID	VALUE	IDSCORR ID	3- 5/N 3.0
			999	omitted	
			998	not admin.	
				VLD: .T.	
				Flags: SCR: 2 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
3	PUNCHER	IDPUNCH PUNCHER ID	VALUE	IDPUNCH ID	6- 8/N 3.0
			999	omitted	
			998	not admin.	
				VLD: .T.	
				Flags: SCR: 3 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
4	COUNTRY	IDCNTRY COUNTRY ID	VALUE	IDCNTRY ID	9- 13/N 5.0
			99999	omitted	
			99998	not admin.	
				VLD: .T.	
				Flags: SCR: 4 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
5	SCHOOL	IDSCHOOL SCHOOL ID	VALUE	IDSCHOOL ID	14- 17/N 4.0
			9999	omitted	
			9998	not admin.	
				VLD: (IDSCHOOL>=1.AND.IDSCHOOL<=9996).OR.IDSCHOOL=9999.	
				OR.IDSCHOOL=9998	
				Flags: SCR: 5 / CAR:T / CAT:ID / DEF:	
				COMMENT:	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
6 CLASS	IDCLASS	CLASS ID	VALUE 999999 999998	IDCLASS ID omitted not admin. VLD: (IDCLASS>=101.AND.IDCLASS<=999996).OR.IDCLASS=9999 99.OR.IDCLASS=999998 Flags: SCR: 6 / CAR:T / CAT:ID / DEF:	18- 23/N 6.0
COMMENT:					
7 STUD	IDSTUD	STUDENT ID	VALUE 9999999 9999999	IDSTUD ID omitted not admin. VLD: (IDSTUD>=10101.AND.IDSTUD<=99999996).OR.IDSTUD=999 99999.OR.IDSTUD=99999998 Flags: SCR: 7 / CAR:F / CAT:ID / DEF:	24- 31/N 8.0
COMMENT:					
8 P03_02	PR13022	TEMPERATURE OF A SYSTEM (2)	20 10 11 19 70 71 79 99 98 96	CORR.RESP PART.CORRECT RESP PART.CORRECT RESP PART.CORRECT RESP INCORR.RESP INCORR. RESP INCORR.RESP omitted not admin. not reached VLD: PR13022\$'20#10#11#19#70#71#79#99#98#96' Flags: SCR: 8 / CAR:F / CAT:SA / DEF: 97	32- 33/C 2.0
COMMENT: Heat and Temperature/ Applying (T) (F_12)					
9 P03_02	PI13022	TEMPERATURE OF A SYSTEM (2)	0 1 2 8 6	identical codes identical score, but different reasoning different score not administered not reached VLD: PI13022\$'0#1#2#8#6' Flags: SCR: 9 / CAR:F / CAT:IDX / DEF: 7	34 /C 1.0
COMMENT: Heat and Temperature/ Applying (T) (F_12)					

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
10 P03_02	PA13022	TEMPERATURE OF A SYSTEM (2)	20	CORR.RESP	35- 36/C 2.0
			10	PART.CORRECT RESP	
			11	PART.CORRECT RESP	
			19	PART.CORRECT RESP	
			70	INCORR.RESP	
			71	INCORR. RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13022\$'20#10#11#19#70#71#79#99#98#96'	
				Flags: SCR: 10 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/ Applying (T) (F_12)	
11 P03_03	PR13023	WAVELENGTH IN SHALLOW WATER (1)	10	CORRECT RESPONSE	37- 38/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR13023\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 11 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/ Applying (T) (F_13)	
12 P03_03	PI13023	WAVELENGTH IN SHALLOW WATER (1)	0	identical codes	39 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI13023\$'0#1#2#8#6'	
				Flags: SCR: 12 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/ Applying (T) (F_13)	
13 P03_03	PA13023	WAVELENGTH IN SHALLOW WATER (1)	10	CORRECT RESPONSE	40- 41/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13023\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 13 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/ Applying (T) (F_13)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
14 P03_04	PR13024	MAGNITUDE OF ELECTRIC FIELD STRENGTH (2)	20	CORR.RESPONSE	42- 43/C 2.0
			10	PART.CORRECT RESP	
			19	PART.CORRECT RESP	
			70	INCORR.RESP	
			71	INCORR.RESP	
			72	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR13024\$'20#10#19#70#71#72#79#99#98#96'	
				Flags: SCR: 14 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/ Applying (T) (F_14)	
15 P03_04	PI13024	MAGNITUDE OF ELECTRIC FIELD STRENGTH (2)	0	identical codes	44 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI13024\$'0#1#2#8#6'	
				Flags: SCR: 15 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/ Applying (T) (F_14)	
16 P03_04	PA13024	MAGNITUDE OF ELECTRIC FIELD STRENGTH (2)	20	CORR.RESPONSE	45- 46/C 2.0
			10	PART.CORRECT RESP	
			19	PART.CORRECT RESP	
			70	INCORR.RESP	
			71	INCORR.RESP	
			72	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13024\$'20#10#19#70#71#72#79#99#98#96'	
				Flags: SCR: 16 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/ Applying (T) (F_14)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
17 P03_05	PR13025	PHOTOELECTRIC EFFECT IN 3 METALS (2)	20	CORR.RESP	47- 48/C 2.0
			21	CORR.RESP	
			29	CORR.RESP	
			10	PART.CORRECT	
			11	PART.CORRECT	
			12	PART.CORRECT	
			19	PART.CORRECT	
			70	INCORR.	
			71	INCORR.	
			79	INCORR.	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR13025\$'20#21#29#10#11#12#19#70#71#79#99#98#96'	
				Flags: SCR: 17 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/ Reasoning (T) (F_15)	
18 P03_05	PI13025	PHOTOELECTRIC EFFECT IN 3 METALS (2)	0	identical codes	49 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI13025\$'0#1#2#8#6'	
				Flags: SCR: 18 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Atomic and Nuclear Physics/ Reasoning (T) (F_15)	
19 P03_05	PA13025	PHOTOELECTRIC EFFECT IN 3 METALS (2)	20	CORR.RESP	50- 51/C 2.0
			21	CORR.RESP	
			29	CORR.RESP	
			10	PART.CORRECT	
			11	PART.CORRECT	
			12	PART.CORRECT	
			19	PART.CORRECT	
			70	INCORR.	
			71	INCORR.	
			79	INCORR.	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13025\$'20#21#29#10#11#12#19#70#71#79#99#98#96'	
				Flags: SCR: 19 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/ Reasoning (T) (F_15)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
20 P03_06	PR13026	PERIOD OF CHARGED PARTICLE IN FIELD (2)	20	CORR.RESPONSE	52- 53/C 2.0
			29	CORR.RESPONSE	
			10	PART.CORRECT RESP	
			19	PART.CORRECT RESP	
			70	INCORR.RESP	
			71	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR13026\$'20#29#10#19#70#71#79#99#98#96'	
				Flags: SCR: 20 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/ Reasoning (T) (F_16)	
21 P03_06	PI13026	PERIOD OF CHARGED PARTICLE IN FIELD (2)	0	identical codes	54 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI13026\$'0#1#2#8#6'	
				Flags: SCR: 21 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/ Reasoning (T) (F_16)	
22 P03_06	PA13026	PERIOD OF CHARGED PARTICLE IN FIELD (2)	20	CORR.RESPONSE	55- 56/C 2.0
			29	CORR.RESPONSE	
			10	PART.CORRECT RESP	
			19	PART.CORRECT RESP	
			70	INCORR.RESP	
			71	INCORR.RESP	
			79	INCORR.RESP	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13026\$'20#29#10#19#70#71#79#99#98#96'	
				Flags: SCR: 22 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/ Reasoning (T) (F_16)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
23 P03_07A	PR13027A	VALUE OF GRAVITY G (2)	20	CORR.RESP	57- 58/C 2.0
			21	CORR.RESP	
			22	CORR.RESP	
			29	CORR.RESP	
			10	PART.CORR	
			11	PART.CORR	
			70	INCORR	
			71	INCORR	
			72	INCORR	
			79	INCORR	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR13027A\$'20#21#22#29#10#11#70#71#72#79#99#98#96'	
				Flags: SCR: 23 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/ Reasoning (T) (F_17)	
24 P03_07A	PI13027A	VALUE OF GRAVITY G (2)	0	identical codes	59 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI13027A\$'0#1#2#8#6'	
				Flags: SCR: 24 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/ Reasoning (T) (F_17)	
25 P03_07A	PA13027A	VALUE OF GRAVITY G (2)	20	CORR.RESP	60- 61/C 2.0
			21	CORR.RESP	
			22	CORR.RESP	
			29	CORR.RESP	
			10	PART.CORR	
			11	PART.CORR	
			70	INCORR	
			71	INCORR	
			72	INCORR	
			79	INCORR	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA13027A\$'20#21#22#29#10#11#70#71#72#79#99#98#96'	
				Flags: SCR: 25 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/ Reasoning (T) (F_17)	

Var. No.	Question	Variable Name	Variable Label	Code	Option	Location/Format	
26	P03_07B	PR13027B	ESTIMATE OF UNCERTAINTY IN G (1)	10	CORR.RESPONSE	62- 63/C 2.0	
				11	CORR.RESPONSE		
				12	CORR.RESPONSE		
				19	CORR.RESPONSE		
				70	INCORR.RESP		
				71	INCORR.RESP		
				72	INCORR.RESP		
				73	INCORR.RESP		
				79	INCORR.RESP		
				99	omitted		
				98	not admin.		
				96	not reached		
				VLD: PR13027B\$'10#11#12#19#70#71#72#73#79#99#98#96'			
				Flags: SCR: 26 / CAR:F / CAT:SA / DEF: 97			
				COMMENT: Mechanics/ Reasoning (T) (F_17)			
27	P03_07B	PI13027B	ESTIMATE OF UNCERTAINTY IN G (1)	0	identical codes	64 /C 1.0	
				1	identical score, but different reasoning		
				2	different score		
				8	not administered		
				6	not reached		
				VLD: PI13027B\$'0#1#2#8#6'			
Flags: SCR: 27 / CAR:F / CAT:IDX / DEF: 7							
COMMENT: Mechanics/ Reasoning (T) (F_17)							
28	P03_07B	PA13027B	ESTIMATE OF UNCERTAINTY IN G (1)	10	CORR.RESPONSE	65- 66/C 2.0	
				11	CORR.RESPONSE		
				12	CORR.RESPONSE		
				19	CORR.RESPONSE		
				70	INCORR.RESP		
				71	INCORR.RESP		
				72	INCORR.RESP		
				73	INCORR.RESP		
				79	INCORR.RESP		
				99	omitted		
				98	not admin.		
				96	not reached		
				VLD: PA13027B\$'10#11#12#19#70#71#72#73#79#99#98#96'			
				Flags: SCR: 28 / CAR:F / CAT:SA / DEF: 97			
				COMMENT: Mechanics/ Reasoning (T) (F_17)			

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
29 P04_02	PR23146	DIRECTION OF ACCELERATION OF BODY (1)	10	CORRECT RESPONSE	67- 68/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23146\$'10#70#71#79#99#98#96'	
				Flags: SCR: 29 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Knowing (P09_10)	
30 P04_02	PI23146	DIRECTION OF ACCELERATION OF BODY (1)	0	identical codes	69 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23146\$'0#1#2#8#6'	
				Flags: SCR: 30 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Knowing (P09_10)	
31 P04_02	PA23146	DIRECTION OF ACCELERATION OF BODY (1)	10	CORRECT RESPONSE	70- 71/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23146\$'10#70#71#79#99#98#96'	
				Flags: SCR: 31 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Knowing (P09_10)	
32 P04_06	PR23041	EXPLAIN WHAT SYMBOLS REPRESENT (1)	10	CORRECT RESPONSE	72- 73/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23041\$'10#70#79#99#98#96'	
				Flags: SCR: 32 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Knowing (P04_06)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
33 P04_06	PI23041	EXPLAIN WHAT SYMBOLS REPRESENT (1)	0	identical codes	74 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23041\$'0#1#2#8#6'	
				Flags: SCR: 33 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Knowing (P04_06)	
34 P04_06	PA23041	EXPLAIN WHAT SYMBOLS REPRESENT (1)	10	CORRECT RESPONSE	75- 76/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23041\$'10#70#79#99#98#96'	
				Flags: SCR: 34 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Knowing (P04_06)	
35 P04_07	PR23053	GAS VOLUME WHEN PRESSURE DOUBLED (2)	20	CORR.RESPONSE	77- 78/C 2.0
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23053\$'20#10#11#70#71#79#99#98#96'	
				Flags: SCR: 35 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Applying (P04_07)	
36 P04_07	PI23053	GAS VOLUME WHEN PRESSURE DOUBLED (2)	0	identical codes	79 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23053\$'0#1#2#8#6'	
				Flags: SCR: 36 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Heat and Temperature/Applying (P04_07)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
37 P04_07	PA23053	GAS VOLUME WHEN PRESSURE DOUBLED (2)	20	CORR.RESPONSE	80- 81/C 2.0
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23053\$'20#10#11#70#71#79#99#98#96'	
				Flags: SCR: 37 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Applying (P04_07)	
38 P04_09	PR23119	WHY FOOD STAYS AT SAME TEMP IN SUN (2)	20	CORR.RESPONSE	82- 83/C 2.0
			21	CORR.RESPONSE	
			10	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23119\$'20#21#10#70#71#79#99#98#96'	
				Flags: SCR: 38 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P04_05)	
39 P04_09	PI23119	WHY FOOD STAYS AT SAME TEMP IN SUN (2)	0	identical codes	84 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23119\$'0#1#2#8#6'	
				Flags: SCR: 39 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Heat and Temperature/Reasoning (P04_05)	
40 P04_09	PA23119	WHY FOOD STAYS AT SAME TEMP IN SUN (2)	20	CORR.RESPONSE	85- 86/C 2.0
			21	CORR.RESPONSE	
			10	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23119\$'20#21#10#70#71#79#99#98#96'	
				Flags: SCR: 40 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P04_05)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
41 P04_10	PR23088	PROTONS AND NEUTRONS IN ISOTOPES (1)	10	CORRECT RESPONSE	87- 88/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23088\$'10#11#70#79#99#98#96'	
				Flags: SCR: 41 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Knowing (P04_02)	
42 P04_10	PI23088	PROTONS AND NEUTRONS IN ISOTOPES (1)	0	identical codes	89 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23088\$'0#1#2#8#6'	
				Flags: SCR: 42 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Atomic and Nuclear Physics/Knowing (P04_02)	
43 P04_10	PA23088	PROTONS AND NEUTRONS IN ISOTOPES (1)	10	CORRECT RESPONSE	90- 91/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23088\$'10#11#70#79#99#98#96'	
				Flags: SCR: 43 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Knowing (P04_02)	
44 P04_11	PR23066	COMPLETE EQUATION FOR REACTION (1)	10	CORRECT RESPONSE	92- 93/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23066\$'10#11#70#79#99#98#96'	
				Flags: SCR: 44 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Applying (P03_03)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
45 P04_11	PI23066	COMPLETE EQUATION FOR REACTION (1)	0	identical codes	94 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23066\$'0#1#2#8#6'	
				Flags: SCR: 45 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Atomic and Nuclear Physics/Applying (P03_03)	
46 P04_11	PA23066	COMPLETE EQUATION FOR REACTION (1)	10	CORRECT RESPONSE	95- 96/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23066\$'10#11#70#79#99#98#96'	
				Flags: SCR: 46 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Applying (P03_03)	
47 P05_03	PR23035	RESISTANCE OF BULB WHEN IT SHINES (1)	10	CORRECT RESPONSE	97- 98/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23035\$'10#70#71#79#99#98#96'	
				Flags: SCR: 47 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P08_03)	
48 P05_03	PI23035	RESISTANCE OF BULB WHEN IT SHINES (1)	0	identical codes	99 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23035\$'0#1#2#8#6'	
				Flags: SCR: 48 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Applying (P08_03)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
49 P05_03	PA23035	RESISTANCE OF BULB WHEN IT SHINES (1)	10	CORRECT RESPONSE	100- 101/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23035\$'10#70#71#79#99#98#96'	
				Flags: SCR: 49 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P08_03)	
50 P05_05	PR23012	TENSION OF STRING AS SYSTEM FALLS (1)	10	CORRECT RESPONSE	102- 103/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23012\$'10#70#71#79#99#98#96'	
				Flags: SCR: 50 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P05_09)	
51 P05_05	PI23012	TENSION OF STRING AS SYSTEM FALLS (1)	0	identical codes	104 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23012\$'0#1#2#8#6'	
				Flags: SCR: 51 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Reasoning (P05_09)	
52 P05_05	PA23012	TENSION OF STRING AS SYSTEM FALLS (1)	10	CORRECT RESPONSE	105- 106/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23012\$'10#70#71#79#99#98#96'	
				Flags: SCR: 52 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P05_09)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format				
53 P05_07	PR23051	ENERGY RELEASED FOR TEMP TO FALL (1)	10	CORRECT RESPONSE	107- 108/C 2.0				
			70	INCORRECT RESPONSE					
			79	INCORRECT RESPONSE					
			99	omitted					
			98	not admin.					
			96	not reached					
			VLD: PR23051\$'10#70#79#99#98#96'						
			Flags: SCR: 53 / CAR:F / CAT:SA / DEF: 97						
			COMMENT: Heat and Temperature/Applying (P05_06)						
			54 P05_07	PI23051		ENERGY RELEASED FOR TEMP TO FALL (1)	0	identical codes	109 /C 1.0
1	identical score, but different reasoning								
2	different score								
8	not administered								
6	not reached								
VLD: PI23051\$'0#1#2#8#6'									
Flags: SCR: 54 / CAR:F / CAT:IDX / DEF: 7									
COMMENT: Heat and Temperature/Applying (P05_06)									
55 P05_07	PA23051	ENERGY RELEASED FOR TEMP TO FALL (1)			10		CORRECT RESPONSE	110- 111/C 2.0	
					70		INCORRECT RESPONSE		
			79	INCORRECT RESPONSE					
			99	omitted					
			98	not admin.					
			96	not reached					
			VLD: PA23051\$'10#70#79#99#98#96'						
			Flags: SCR: 55 / CAR:F / CAT:SA / DEF: 97						
			COMMENT: Heat and Temperature/Applying (P05_06)						
			56 P05_09	PR23130	WHY PETALS LOOK BLACK IN GREEN LIGHT (2)	20	CORRECT RESPONSE		112- 113/C 2.0
10	PARTIALLY CORRECT RESPONSE								
70	INCORRECT RESPONSE								
79	INCORRECT RESPONSE								
99	omitted								
98	not admin.								
96	not reached								
VLD: PR23130\$'20#10#70#79#99#98#96'									
Flags: SCR: 56 / CAR:F / CAT:SA / DEF: 97									
COMMENT: Heat and Temperature/Knowing (P05_08)									
57 P05_09	PI23130	WHY PETALS LOOK BLACK IN GREEN LIGHT (2)	0	identical codes	114 /C 1.0				
			1	identical score, but different reasoning					
			2	different score					
			8	not administered					
			6	not reached					
			VLD: PI23130\$'0#1#2#8#6'						
			Flags: SCR: 57 / CAR:F / CAT:IDX / DEF: 7						
			COMMENT: Heat and Temperature/Knowing (P05_08)						

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
58 P05_09	PA23130	WHY PETALS LOOK BLACK IN GREEN LIGHT (2)	20	CORRECT RESPONSE	115- 116/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23130\$'20#10#70#79#99#98#96'	
				Flags: SCR: 58 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Knowing (P05_08)	
59 P05_10	PR23086	EXPLAIN BLUE AS HOTTER THAN RED (1)	10	CORRECT RESPONSE	117- 118/C 2.0
			11	CORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23086\$'10#11#79#99#98#96'	
				Flags: SCR: 59 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P09_06)	
60 P05_10	PI23086	EXPLAIN BLUE AS HOTTER THAN RED (1)	0	identical codes	119 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23086\$'0#1#2#8#6'	
				Flags: SCR: 60 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Heat and Temperature/Reasoning (P09_06)	
61 P05_10	PA23086	EXPLAIN BLUE AS HOTTER THAN RED (1)	10	CORRECT RESPONSE	120- 121/C 2.0
			11	CORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23086\$'10#11#79#99#98#96'	
				Flags: SCR: 61 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P09_06)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
62 P06_04	PR23072	MAX DISTANCE SPRING WILL COMPRESS (2)	20	CORRECT RESPONSE	122- 123/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23072\$'20#10#70#71#79#99#98#96'	
				Flags: SCR: 62 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Applying (P08_06)	
63 P06_04	PI23072	MAX DISTANCE SPRING WILL COMPRESS (2)	0	identical codes	124 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23072\$'0#1#2#8#6'	
				Flags: SCR: 63 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Applying (P08_06)	
64 P06_04	PA23072	MAX DISTANCE SPRING WILL COMPRESS (2)	20	CORRECT RESPONSE	125- 126/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23072\$'20#10#70#71#79#99#98#96'	
				Flags: SCR: 64 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Applying (P08_06)	
65 P06_05	PR23022	SHOW VENUS MOVES FASTER THAN EARTH (2)	20	CORRECT RESPONSE	127- 128/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23022\$'20#10#70#79#99#98#96'	
				Flags: SCR: 65 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P06_07)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
66 P06_05	PI23022	SHOW VENUS MOVES FASTER THAN EARTH (2)	0	identical codes	129 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23022\$'0#1#2#8#6'	
				Flags: SCR: 66 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Reasoning (P06_07)	
67 P06_05	PA23022	SHOW VENUS MOVES FASTER THAN EARTH (2)	20	CORRECT RESPONSE	130- 131/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23022\$'20#10#70#79#99#98#96'	
				Flags: SCR: 67 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P06_07)	
68 P06_07	PR23078	COMBINED FORCE OF A AND B ON C (2)	20	CORRECT RESPONSE	132- 133/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23078\$'20#10#11#70#79#99#98#96'	
				Flags: SCR: 68 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Reasoning (P02_07)	
69 P06_07	PI23078	COMBINED FORCE OF A AND B ON C (2)	0	identical codes	134 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23078\$'0#1#2#8#6'	
				Flags: SCR: 69 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Reasoning (P02_07)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
70 P06_07	PA23078	COMBINED FORCE OF A AND B ON C (2)	20	CORRECT RESPONSE	135- 136/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23078\$'20#10#11#70#79#99#98#96'	
				Flags: SCR: 70 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Reasoning (P02_07)	
71 P06_09	PR23128	WHY DONT SUNBURN BEHIND GLASS (1)	10	CORRECT RESPONSE	137- 138/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			72	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23128\$'10#70#71#72#79#99#98#96'	
				Flags: SCR: 71 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Knowing (P06_02)	
72 P06_09	PI23128	WHY DONT SUNBURN BEHIND GLASS (1)	0	identical codes	139 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23128\$'0#1#2#8#6'	
				Flags: SCR: 72 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Knowing (P06_02)	
73 P06_09	PA23128	WHY DONT SUNBURN BEHIND GLASS (1)	10	CORRECT RESPONSE	140- 141/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			72	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23128\$'10#70#71#72#79#99#98#96'	
				Flags: SCR: 73 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Knowing (P06_02)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
74 P07_02	PR23014	FORCES ACTING ON STONE AFTER THROWN (1)	10	CORRECT RESPONSE	142- 143/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23014\$'10#70#71#79#99#98#96'	
				Flags: SCR: 74 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Knowing (P01_09)	
75 P07_02	PI23014	FORCES ACTING ON STONE AFTER THROWN (1)	0	identical codes	144 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23014\$'0#1#2#8#6'	
				Flags: SCR: 75 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Knowing (P01_09)	
76 P07_02	PA23014	FORCES ACTING ON STONE AFTER THROWN (1)	10	CORRECT RESPONSE	145- 146/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23014\$'10#70#71#79#99#98#96'	
				Flags: SCR: 76 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Knowing (P01_09)	
77 P07_03	PR23025	DISTANCE 60KG SKATER MOVED (2)	20	CORR.RESPONSE	147- 148/C 2.0
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			72	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23025\$'20#10#11#70#71#72#79#99#98#96'	
				Flags: SCR: 77 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P01_10)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
78 P07_03	PI23025	DISTANCE 60KG SKATER MOVED (2)	0	identical codes	149 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23025\$'0#1#2#8#6'	
				Flags: SCR: 78 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Mechanics/Reasoning (P01_10)	
79 P07_03	PA23025	DISTANCE 60KG SKATER MOVED (2)	20	CORR.RESPONSE	150- 151/C 2.0
			10	PART.CORRECT RESPONSE	
			11	PART.CORRECT RESPONSE	
			70	INCORR.RESPONSE	
			71	INCORR.RESPONSE	
			72	INCORR.RESPONSE	
			79	INCORR.RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23025\$'20#10#11#70#71#72#79#99#98#96'	
				Flags: SCR: 79 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Mechanics/Reasoning (P01_10)	
80 P07_05	PR23034	DRAW DIRECTION OF ELECTRIC FIELD (1)	10	CORRECT RESPONSE	152- 153/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23034\$'10#70#71#79#99#98#96'	
				Flags: SCR: 80 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P07_05)	
81 P07_05	PI23034	DRAW DIRECTION OF ELECTRIC FIELD (1)	0	identical codes	154 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23034\$'0#1#2#8#6'	
				Flags: SCR: 81 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Applying (P07_05)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
82 P07_05	PA23034	DRAW DIRECTION OF ELECTRIC FIELD (1)	10	CORRECT RESPONSE	155- 156/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23034\$'10#70#71#79#99#98#96'	
				Flags: SCR: 82 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P07_05)	
83 P07_06	PR23044	DESCRIBE ELECTROMAGNETIC INDUCTION (1)	10	CORRECT RESPONSE	157- 158/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23044\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 83 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P09_03)	
84 P07_06	PI23044	DESCRIBE ELECTROMAGNETIC INDUCTION (1)	0	identical codes	159 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23044\$'0#1#2#8#6'	
				Flags: SCR: 84 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Electricity and Magnetism/Applying (P09_03)	
85 P07_06	PA23044	DESCRIBE ELECTROMAGNETIC INDUCTION (1)	10	CORRECT RESPONSE	160- 161/C 2.0
			11	CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23044\$'10#11#70#71#79#99#98#96'	
				Flags: SCR: 85 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Electricity and Magnetism/Applying (P09_03)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
86 P07_07	PR23082	SPECIFIC HEAT CAPACITY OF SAND (1)	10	CORRECT RESPONSE	162- 163/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23082\$'10#70#79#99#98#96'	
				Flags: SCR: 86 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P08_04)	
87 P07_07	PI23082	SPECIFIC HEAT CAPACITY OF SAND (1)	0	identical codes	164 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23082\$'0#1#2#8#6'	
				Flags: SCR: 87 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Heat and Temperature/Reasoning (P08_04)	
88 P07_07	PA23082	SPECIFIC HEAT CAPACITY OF SAND (1)	10	CORRECT RESPONSE	165- 166/C 2.0
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23082\$'10#70#79#99#98#96'	
				Flags: SCR: 88 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P08_04)	
89 P07_09	PR23084	TOTAL PRESSURE OF COMBINED CONTAINER (2)	20	CORRECT RESPONSE	167- 168/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23084\$'20#10#11#70#79#99#98#96'	
				Flags: SCR: 89 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P07_06)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
90 P07_09	PI23084	TOTAL PRESSURE OF COMBINED CONTAINER (2)	0	identical codes	169 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23084\$'0#1#2#8#6'	
				Flags: SCR: 90 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Heat and Temperature/Reasoning (P07_06)	
91 P07_09	PA23084	TOTAL PRESSURE OF COMBINED CONTAINER (2)	20	CORRECT RESPONSE	170- 171/C 2.0
			10	PARTIALLY CORRECT RESPONSE	
			11	PARTIALLY CORRECT RESPONSE	
			70	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23084\$'20#10#11#70#79#99#98#96'	
				Flags: SCR: 91 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Heat and Temperature/Reasoning (P07_06)	
92 P07_12	PR23137	SYMBOL FOR ATOMIC NUCLEUS (1)	10	CORRECT RESPONSE	172- 173/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PR23137\$'10#70#71#79#99#98#96'	
				Flags: SCR: 92 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Knowing (P02_04)	
93 P07_12	PI23137	SYMBOL FOR ATOMIC NUCLEUS (1)	0	identical codes	174 /C 1.0
			1	identical score, but different reasoning	
			2	different score	
			8	not administered	
			6	not reached	
				VLD: PI23137\$'0#1#2#8#6'	
				Flags: SCR: 93 / CAR:F / CAT:IDX / DEF: 7	
				COMMENT: Atomic and Nuclear Physics/Knowing (P02_04)	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
94 P07_12	PA23137	SYMBOL FOR ATOMIC NUCLEUS (1)	10	CORRECT RESPONSE	175- 176/C 2.0
			70	INCORRECT RESPONSE	
			71	INCORRECT RESPONSE	
			79	INCORRECT RESPONSE	
			99	omitted	
			98	not admin.	
			96	not reached	
				VLD: PA23137\$'10#70#71#79#99#98#96'	
				Flags: SCR: 94 / CAR:F / CAT:SA / DEF: 97	
				COMMENT: Atomic and Nuclear Physics/Knowing (P02_04)	
95 SYSTEM	SSYSTEM	RECORD NUMBER STUDENT GENERAL FILE	VALUE	SSYSTEM PROC	177- 182/N 6.0
			999999	omitted	
			999998	not admin.	
				VLD: .T.	
				Flags: SCR: 95 / CAR:F / CAT:PROC / DEF:	
				COMMENT:	
96 POPULATION	IDPOP	POPULATION ID	1	TIMSS Pop 1	183 /C 1.0
			2	TIMSS Pop 2	
			3	TIMSS Pop 3	
			9	omitted	
			8	not admin.	
				VLD: IDPOP\$'1#2#3#9#8'	
				Flags: SCR: 96 / CAR:F / CAT:ID / DEF:	
				COMMENT:	
97 GRADE	IDGRADE	GRADE ID	10	GRADE 10	184- 185/C 2.0
			11	GRADE 11	
			12	GRADE 12	
			13	GRADE 13	
			14	GRADE 14	
			99	omitted	
			98	not admin.	
				VLD: IDGRADE\$'10#11#12#13#14#99#98'	
				Flags: SCR: 97 / CAR:T / CAT:ID / DEF:	
				COMMENT:	
98 GRADE	IDGRADER	STANDARDIZED GRADE ID	1	lower grade	186 /C 1.0
			2	upper grade	
			9	omitted	
			8	not admin.	
				VLD: IDGRADER\$'1#2#9#8'	
				Flags: SCR: 98 / CAR:F / CAT:ID / DEF:	
				COMMENT:	

Var. Question No.	Variable Name	Variable Label	Code	Option	Location/Format
99 DATE	DPCDATE	FILE CREATION DATE AT DPC HAMBURG	VALUE	DPCDATE PROC	187- 194/N 8.0
			9999999	omitted	
			9999999	not admin.	
				VLD: .T.	
				Flags: SCR: 99 / CAR:F / CAT:PROC / DEF:	
				COMMENT:	