## IEA - Data Enhancement Project

Questionnaire printing

Study: SC2

Population: 2

Instrument: STD\_2

Student Science Achievement Test (2D) Population 2

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	A B C D E	to your left to your right behind you in front of you above you
P2I	001	
2	human bo of sick	ram shows five different Celsius thermometers. The normal dy temperature is 37 øC (degrees Celsius). The body temperature people ranges from about 36 øC to 42 øC. Which thermometer would suited for accurately measuring body temperature?
	A B C D E	thermometer A thermometer B thermometer C [ 5 Pictures of thermometers ] thermometer D thermometer E
P2I	002	
3	of salty	ontains 2 g (grams) of salt dissolved in 8 g of water. The dish water is placed in the Sun. 5 g of the contents of the dish es into the atmosphere. What is in the remaining 5 g of solution?
	A B C D E	2 g of salt and 3 g of water more than 1.5 g of salt and 3.5 g of water 1 g of salt and 4 g of water 5 g of water only less than 0.5 g of salt and 4.5 g of water
P2I	003	

1 If you are facing North early in the morning, where is the Sun?

4 The table below shows the melting point of five elements.

Element M	elting	point
aluminium magnesium iron lead copper	660 649 1535 327 1083	ØC ØC ØC

Samples of all these elements are heated in an oven to a temperature of 1555 &ppsice gC. If the temperature of the oven is then lowered, which of the samples would solidify first?

- A aluminium
- B magnesium
- C iron
- D lead
- E copper

## P2D04

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5 The table below gives the name, chemical formula and boiling point for some chemicals called alkanes.

Name	Formula	Boiling point
methane ethane propane pentane hexane heptane	CH4 C2H6 C3H8 C5H12 C6H14 C7H16	- 161 ØC - 88 ØC - 42 ØC 36 ØC 69 ØC 99 ØC

Butane, which is an alkane, has a boiling point of 0  $\varnothing$ C. What is its chemical formula most likely to be?

- A C8H18
- в сзн6
- C C3H8
- D C4H10
- E C3H12

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P2D05

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6	The surface of the Earth is not level although weathering and erosion by wind and water have been occurring for millions of years. Which of the following is the best explanation of this observation?			
	A	The sea level keeps changing.		
	В	Movements in the Earth's surface continue to occur.		
	С	There has not been enough time.		
	D	Temperature differences at the Earth's surface are not large enough.		
	E	Wind and water erosion are not strong enough.		
P2D	06 			
7		amounts of the following foods are eaten, which one would he most protein for the body?		
	А	potatoes		
	В	apples		
	C	rice		
	D	bread		
	E	chicken		
P2D	07			
8	What is the main way that sweating helps your body?			
	А	It cools your body.		
	В	It keeps your skin moist.		
	C	It keeps you from catching cold.		
	D	It gets rid of the salt in your body.		
	E	It gets rid of excess water in your body.		
 P2D	08			
9		has many functions in the human body. Which one of the		
	following	is not a function of the blood?		
	A	to digest food		
	В	to protect against disease		
	C	to carry food to the cells		
	D	to carry waste material away from the cells		
	E	to carry oxygen to different parts of the body		
 P2D	09			

- 10 Why are green plants important to animals?
  - A Green plants consume both food and oxygen.
  - B Green plants consume food and give off oxygen.
  - C Green plants consume food and give off carbon dioxide.
  - D Green plants produce food and give off oxygen.
  - E Green plants produce food and give off carbon dioxide.

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P2D10

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