

**SINGAPORE CHINESE GIRLS' SCHOOL
PRIMARY 5 SCIENCE PRACTICE PAPER 1**

Name: _____ ()
Class: Primary 5 SY

Date: 21 May
Duration: 1hr 45 mins

Booklet A (56 marks)

For each question from 1 to , 4 options are given. One of them is the correct answer. Make your choice, (1, 2, 3 or 4). **Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.**

1. Elaine saw a fruit during a Science field trip. She wrote her observations in her Science Journal book. Which one of the characteristics of the fruit is the most useful to help Elaine to identify its method of dispersal?

- | | |
|----------|-----------------------|
| 1) Big | 3) Can be eaten |
| 2) Round | 4) Can float on water |

2. Which of the following statements is/are true?

- A: Digestion of food begins in the mouth.
B: Food is digested in the large intestine.
C: Digested food is absorbed by the stomach.
D: Water is removed from digested food in the small intestine.

- | | |
|-----------|--------------------|
| 1) A only | 3) A, C and D only |
| 2) B only | 4) A, B, C and D |

3. Sam read an article about scientists carrying out research on genes. He knows that the genes carry information about the organism. The genes can be found in the _____ which controls the activities within the cell.

- | | |
|--------------|------------------|
| 1) nucleus | 3) chloroplast |
| 2) cytoplasm | 4) cell membrane |

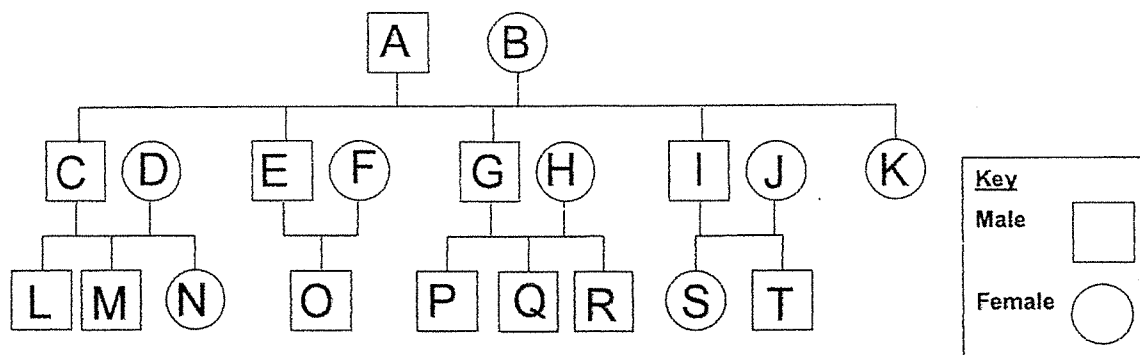
4. Christine carried out a research on 2 animals, A and B. She observed them over a period of time. She recorded her observations in the table below.

Observation	Animal A	Animal B
The young looks like its adult	No	Yes
Has six legs	Yes	No
Lay eggs	Yes	Yes

Which of the following would be correct?

	Animal A	Animal B
1)	Grasshopper	Lizard
2)	Butterfly	Chicken
3)	Earthworm	Mouse
4)	Beetle	Cat

Refer to the diagram below to answer questions 9 and 10.



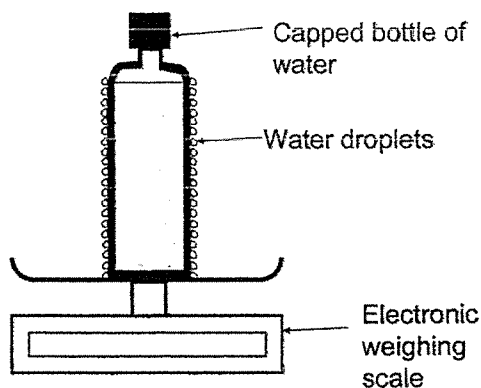
9. Sarah has 2 brothers. Which letter in the above diagram represents Sarah?

- 1) I
- 2) L
- 3) N
- 4) R

10. How many grandsons does couple A and B have?

- 1) 5
- 2) 2
- 3) 7
- 4) 9

11. George froze a bottle of water in the freezer overnight. He then placed the bottle on an electronic weighing scale immediately after taking it out. The first reading of the mass was 23.00g. He left the bottle on the weighing scale. The diagram below shows the set-up after 15 minutes.



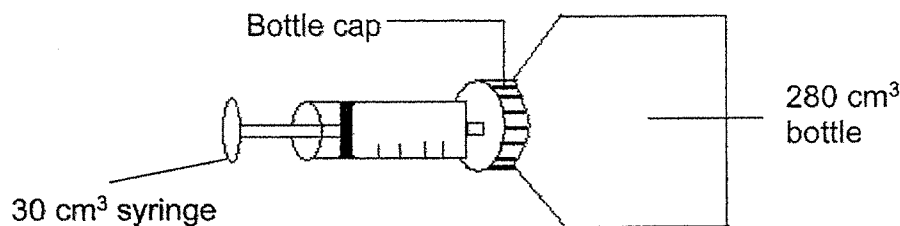
George took a second reading of the mass after 15 minutes. What will the mass measured by the weighing scale be?

- 1) Exactly 23.00g
- 2) Less than 23.00g
- 3) More than 23.00g
- 4) Not possible to tell

16. Which of the following correctly shows the difference between inhaled air and exhaled air?

	Inhaled air	Exhaled air
1) Temperature	Higher	Lower
2) Percentage of oxygen	More	Less
3) Amount of water vapour	More	Less
4) Percentage of carbon dioxide	More	Less

17. Hera took a 30 cm³ syringe and filled it with air. She poked a hole through a bottle cap and pushed all the air out of the syringe into an empty bottle with a capacity of 280 cm³. After that, she sealed the bottle cap with sticky tape to prevent any air from escaping. What is the volume of air in the bottle now?



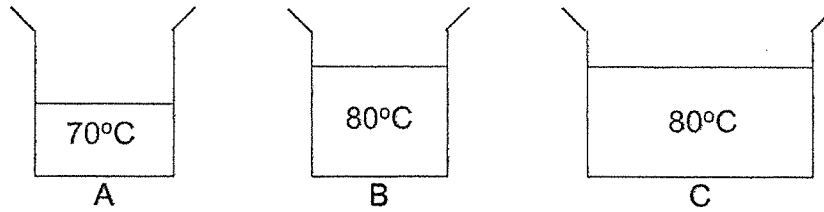
- 1) 30 cm³
 2) 250 cm³
 3) 280 cm³
 4) 310 cm³
18. Nur placed 5 pieces of coloured paper on a flat, grassy surface. There was 1 piece of paper per colour. She put a few stones around the edges of each coloured paper as paper weights and sat nearby quietly. She made a table below of the number of insects which landed on each coloured paper. What are the possible conclusions based on the findings?

	Fly	Bee	Moth	Gnat	Butterfly
Red	-	2	3	-	5
Yellow	-	12	-	3	-
Green	2	1	-	1	-
Blue	8	-	-	-	-
Purple	1	2	6	-	3

- A: Purple attract the most types of insects.
 B: Yellow attracted the most number of insects.
 C: Moth and butterfly are attracted to the same colours.
 D: The bee is attracted to yellow, green, blue and purple colours.

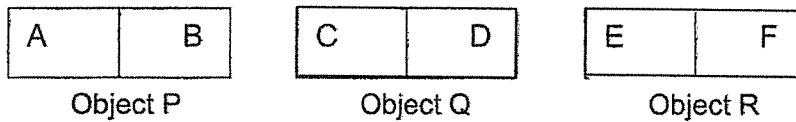
- 1) A and B only
 2) A and C only
 3) A, B and C only
 4) B, C and D only

19. The 3 beakers of water below contain different amounts of water at different temperatures. Arrange the beakers of water according to the amount of heat they contain from the least to the greatest.



- 1) A,B,C
2) B,C,A
3) A,C,B
4) B,A,C

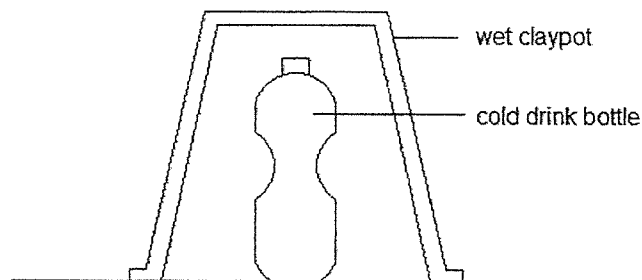
- 20.



All the 3 objects above are made of iron. Only objects Q and R are magnets. Which of the following statement/s is/are possible?

- A: C repels B.
B: C attracts A.
C: D repels E.
D: F attracts B.
- 1) B only
2) A and B only
3) B, C and D only
4) A, B, C and D

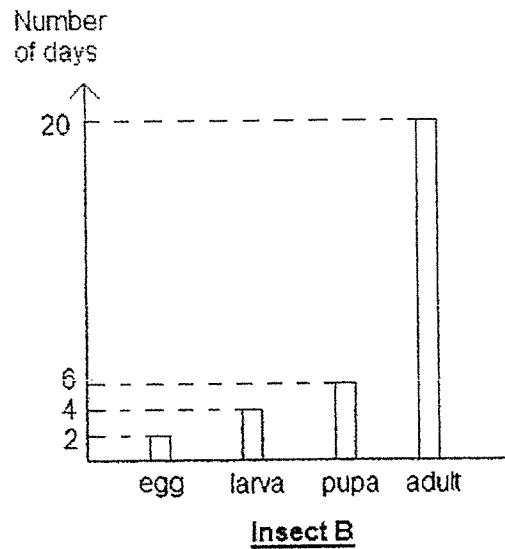
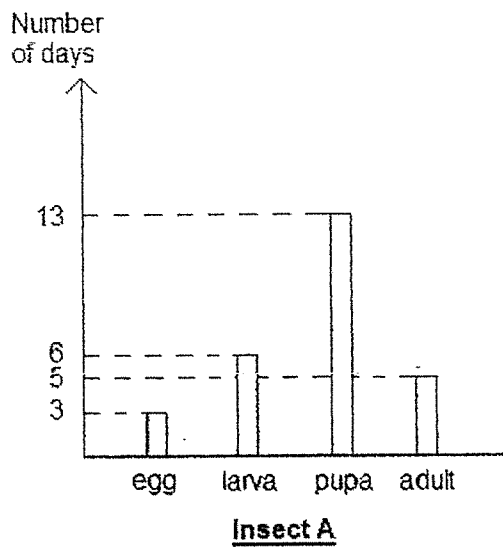
21. A cold drink can be kept cool by placing a wet claypot over it as shown in the diagram below. The claypot had previously been soaked in water.



What is a possible reason for the drink remaining cold?

- 1) Evaporation of water from the wet claypot caused cooling.
2) Condensation of water on the wet claypot caused cooling.
3) Evaporation of water in the cold drink bottle caused cooling.
4) Condensation of water on the cold drink bottle caused cooling.

22. Look at the graphs below carefully.
They show the number of days the two insects spent in each stage of their life cycle.

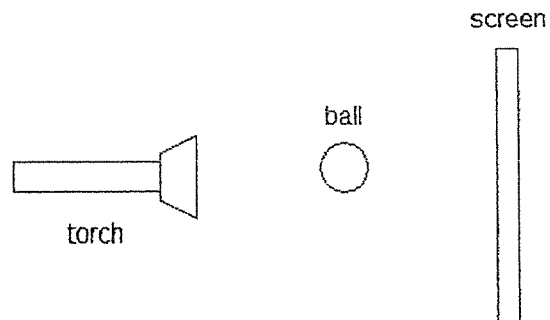


Both insects breed all the time.

Which of the following statements is true?

- 1) A lays more eggs than B.
- 2) B lays more eggs than A.
- 3) It takes B a longer time to become an adult than A.
- 4) It takes A a longer time to become an adult than B.

23. Jasmine set up an experiment as shown in the diagram below.



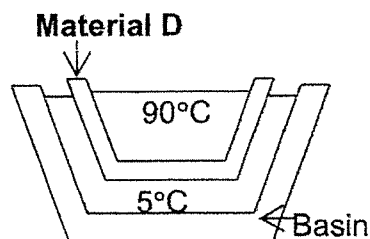
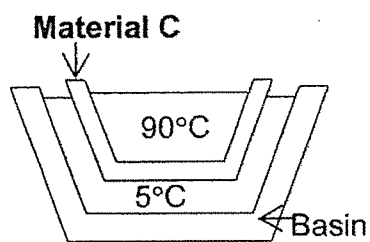
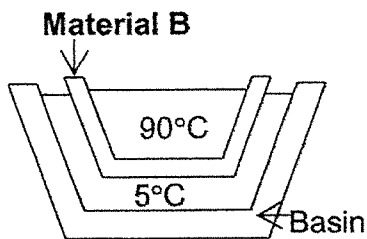
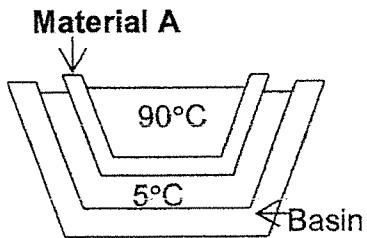
Which of the following will make the shadow larger?

- A: The torch is moved closer to the ball
 B: The screen is moved closer to the ball
 C: The screen is moved away from the torch

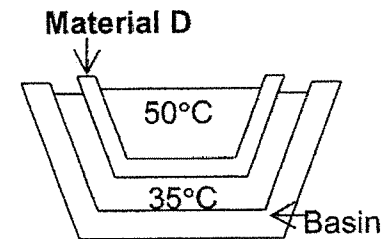
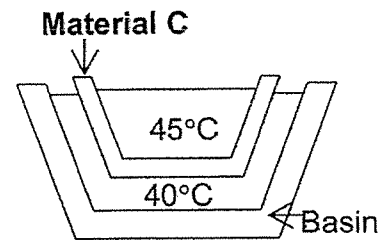
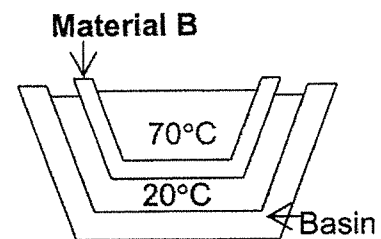
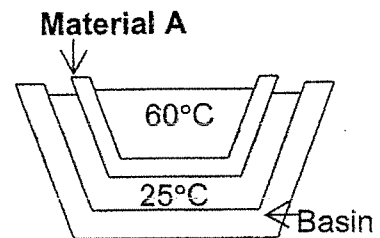
- 1) A and B only
- 2) A and C only
- 3) B and C only
- 4) A, B and C

27. Meiyi had 4 basins made of the same material. She poured a litre of water of temperature 5°C into each of them. She then got 4 containers of the same size that were made of different materials, A, B, C and D, and filled each of them with a litre of water of temperature 90°C . She set up the experiment as shown below. After 15 minutes, she measured the temperature of the water in the 4 containers and 4 basins.

At the start of the experiment:



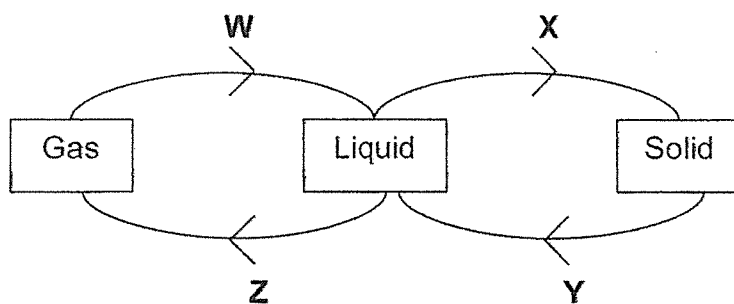
At the end of the experiment:



Which is the best material for making the base of a frying pan?

- | | |
|------|------|
| 1) A | 3) C |
| 2) B | 4) D |

28. The diagram below shows the states of water at different temperatures.



During which two processes will water lose heat to the surroundings?

- 1) W and X only
- 2) W and Y only
- 3) X and Z only
- 4) Y and Z only

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Booklet A											
Q1	4	Q6	4	Q11	3	Q16	2	Q21	1	Q26	4
Q2	1	Q7	2	Q12	1	Q17	3	Q22	4	Q27	3
Q3	1	Q8	2	Q13	1	Q18	3	Q23	2	Q28	1
Q4	2	Q9	3	Q14	1	Q19	1	Q24	3		
Q5	4	Q10	3	Q15	1	Q20	3	Q25	4		

1
END