



HENRY PARK PRIMARY SCHOOL  
2024  
P4 SCIENCE EOY PRACTICE (SET 2)

Name: \_\_\_\_\_ )

Class: Pr 4 \_\_\_\_\_

**Booklet A (56 marks)**

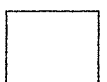
For each question from 1 to 28, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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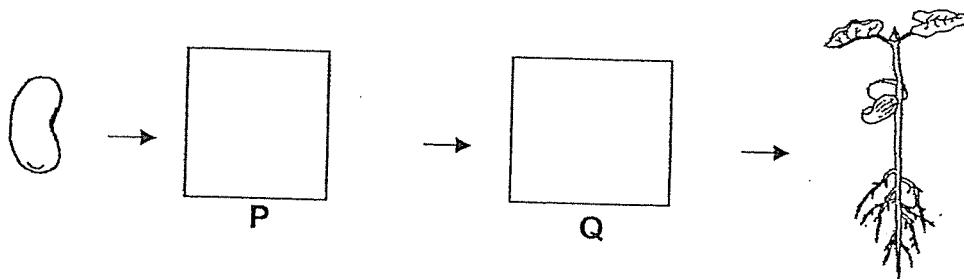
1. Which one of the following statements is correct for all insects?

- (1) They have tails.
- (2) They have wings.
- (3) They live in water.
- (4) They have six legs.

(   .   )



2. The diagram below shows the growth of a young plant with two missing stages P and Q.



Which one of the following shows the correct stages for P and Q?

	P	Q
(1)		
(2)		
(3)		
(4)		

( )

3. Which animal has a pupa as a stage in its life cycle?

- (1) frog
- (2) chicken
- (3) butterfly
- (4) grasshopper

( )

4. In which part of the digestive system is food absorbed into the blood?

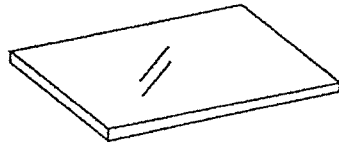
- (1) mouth
- (2) stomach
- (3) small intestine
- (4) large intestine

( )

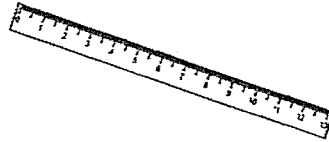


5. Which one of the following objects can be bent easily without breaking?

(1) a sheet of glass



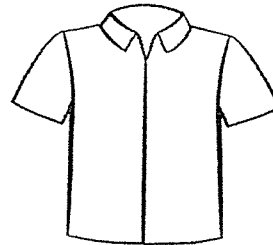
(2) a wooden ruler



(3) A metal spoon



(4) a shirt




( )


6. Which one of the following substances has a fixed shape?


- (1) air
- (2) milk
- (3) wood
- (4) water


( )

7. Which one of the following is a source of light?

(1)  
  
 an orange

(2)  
  
 moon

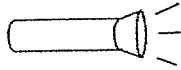
(3)  
  
 a candle flame

(4)  
  
 a leaf

( )

8. The set-up below shows light shining on a wooden ball.

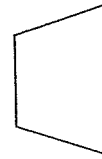
Which one of the following would likely be seen on the screen?



torch

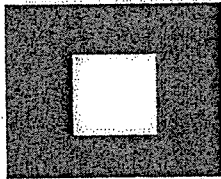


wooden ball

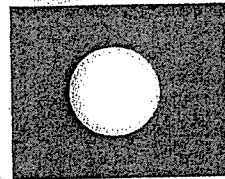


screen

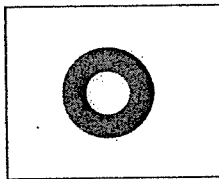
(1)



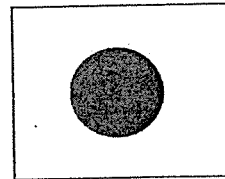
(2)



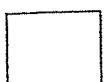
(3)



(4)



( )



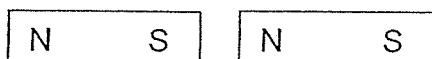
9. Which one of the following is the best conductor of heat?

- (1) A metal fork
- (2) A paper fork
- (3) A plastic fork
- (4) A wooden fork

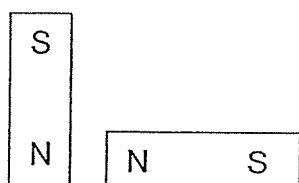
(     )

10. In which one of the following will the two magnets push each other away?

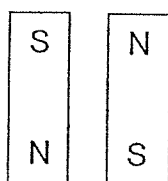
(1)



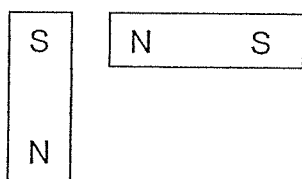
(2)



(3)



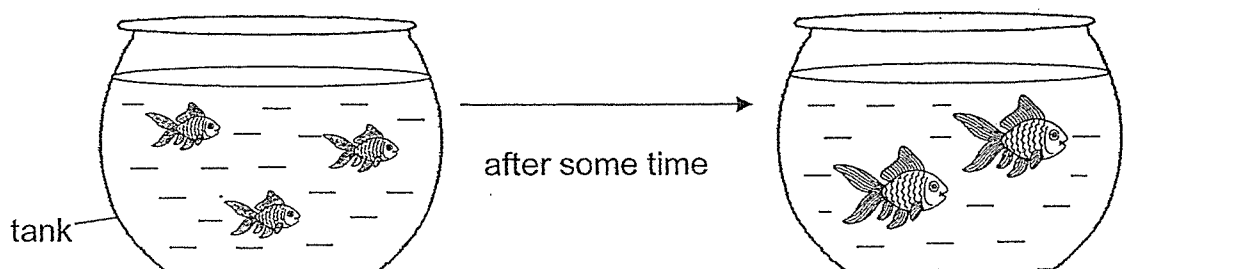
(4)



(     )



11. Amy bought some fish. Whenever a fish died, Amy would remove the fish from the tank. After some time, she noticed changes in the fish as shown in the diagram below.



Based on the observation above, which characteristics of living things do the changes in the fish shows?

- A: Living things can die.
- B: Living things can grow.
- C: Living things can reproduce.
- D: Living things can respond to changes.
- E: Living things need air, food and water.

(1) A and B only

(2) B and C only

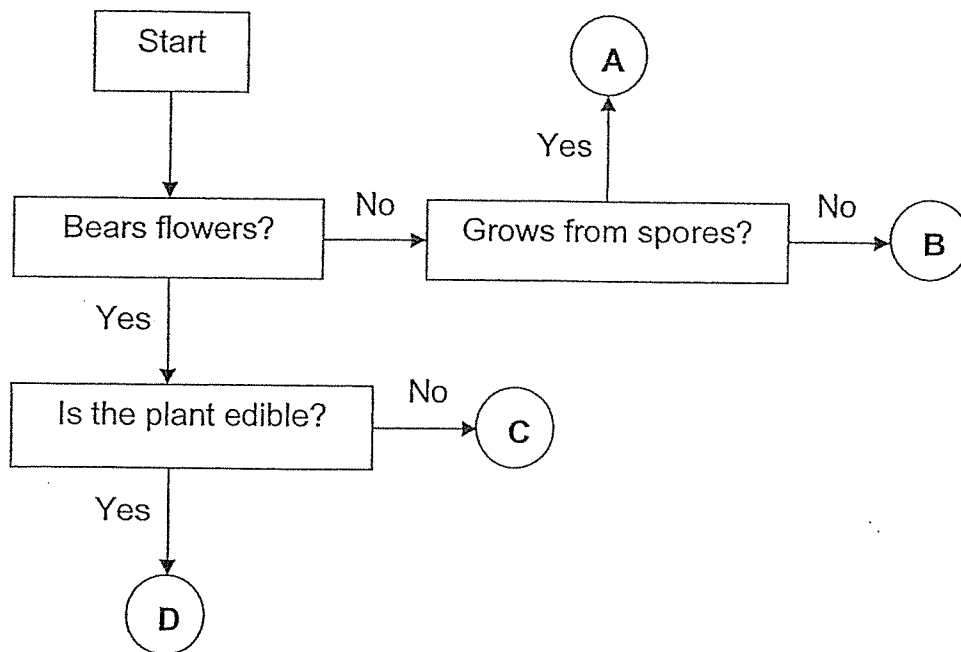
(3) A, D and E only

(4) C, D and E only

( )



12. Study the flow chart below carefully.

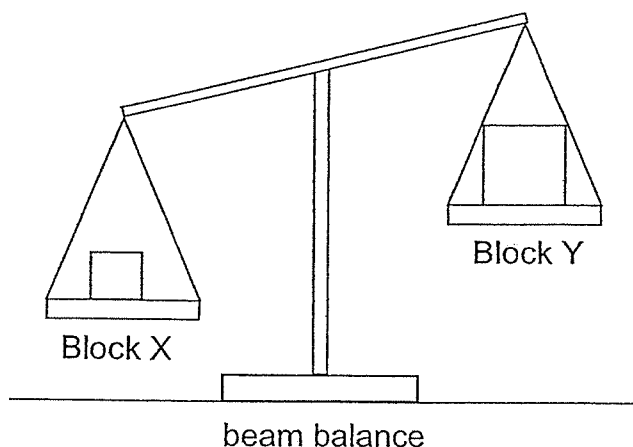


Based on the flow chart above, which one of the following statements is correct?

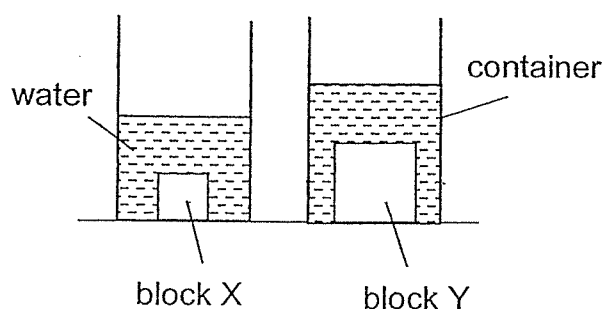
- (1) Plant C bears flowers and is edible.
- (2) Plant D bears flowers and is non-edible.
- (3) Plant B grows from spores and bears flowers.
- (4) Plant A grows from spores and does not bear flowers.

(     )

17. Huishan placed two plastic blocks, X and Y, on a beam balance as shown below.



She then placed the two plastic blocks, X and Y, into two similar containers containing the same amount of water as shown below.



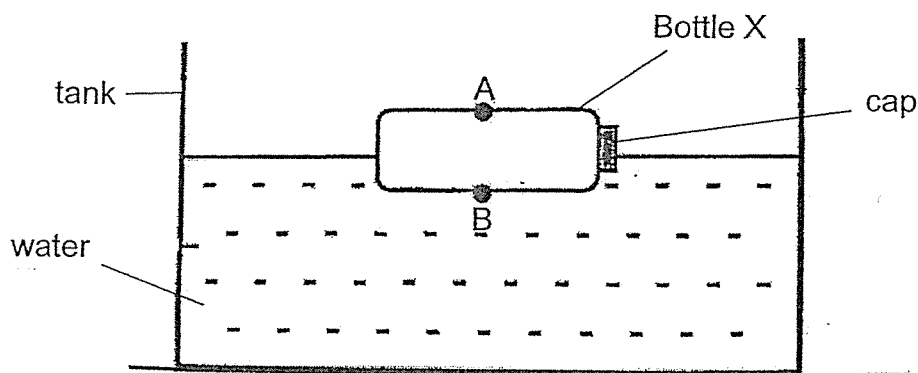
Based on her observations in the set-ups above, which one of the following statements is correct?

- (1) Block Y has a greater mass than block X.
- (2) Block X has a greater volume than block Y.
- (3) The amount of space that the blocks occupy depends on its mass.
- (4) The amount of space that the blocks occupy does not depend on its mass. (      )





18. Kumar placed an empty bottle X in a tank of water and it floated. He then poked two holes at points A and B and placed it into a tank of water as shown below.



After a while, he noticed that the bottle sank.

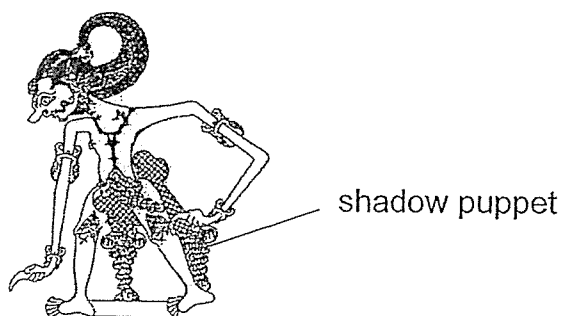
Which of the following best explains why the bottle sank after a while?

- (1) The air in the bottle is too heavy, causing it to sink.
- (2) The water in the tank displaces the air in the bottle.
- (3) The air in the tank displaces the water in the bottle at A.
- (4) The air in the bottle displaces the water in the tank at B.

( )

19. In a shadow puppet show, only dark shadows of puppets are seen on the screen. Ray wants to make his own shadow puppets.

What property must these shadow puppets have to allow them to be seen on the screen?



- (1) The shadow puppets must be waterproof.
- (2) The shadow puppets must not break easily.
- (3) The shadow puppets must allow most light to pass through them.
- (4) The shadow puppets must not allow any light to pass through them.

( )



20. Linus shone a torch at a ball to cast its shadow on a screen as shown below.

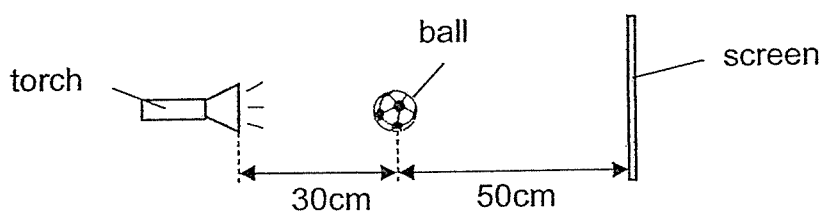
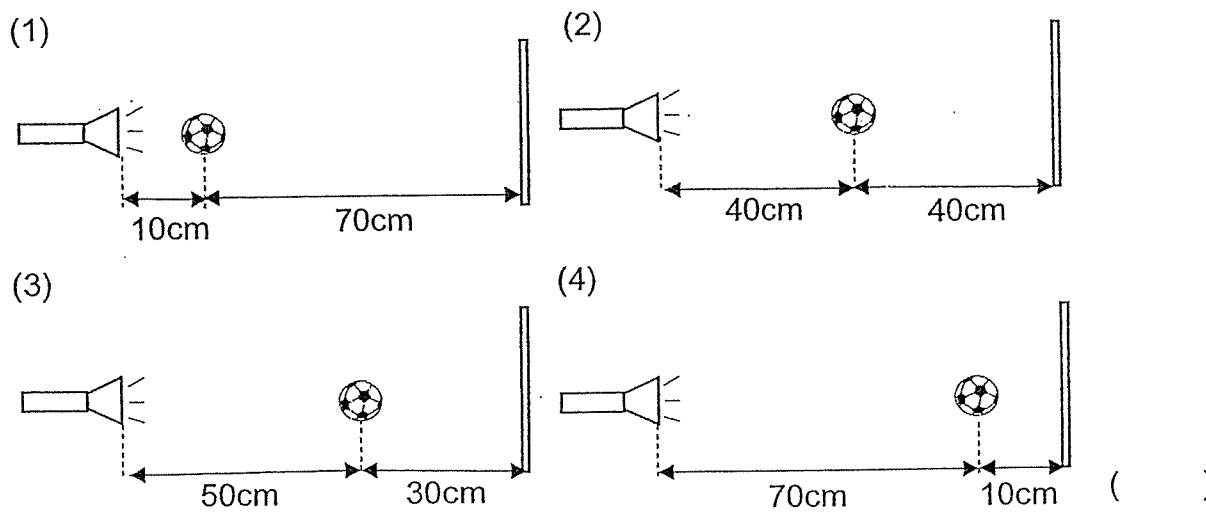
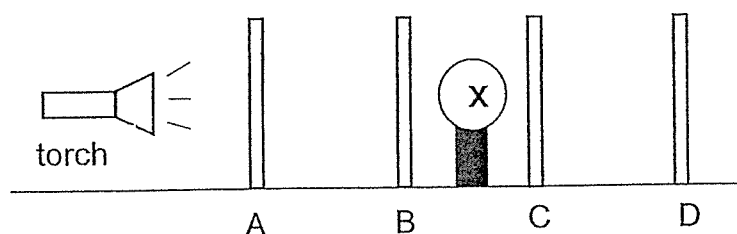


Diagram 1

Which of the following arrangements would show a larger shadow as compared to the shadow formed in Diagram 1 above?



21. Alan carried out an experiment in a dark room as shown below.  
A, B, C and D are 4 sheets made of different materials.



When the torch was switched on, a dark shadow of X was cast on Sheet C.

Which of the following can Alan infer based on the above experiment?

- (1) Sheet D is opaque.
- (2) Sheet C allows light to pass through.
- (3) Both sheets A and B are transparent.
- (4) Both sheets A and D are transparent.

( )



22. Light was shone on four different objects, A, B, C and D. A light sensor was used to measure the amount of light that passed through the objects. The results were recorded in the table shown below.

Object	Amount of light that passed through the objects (lux)
A	300
B	0
C	200
D	500

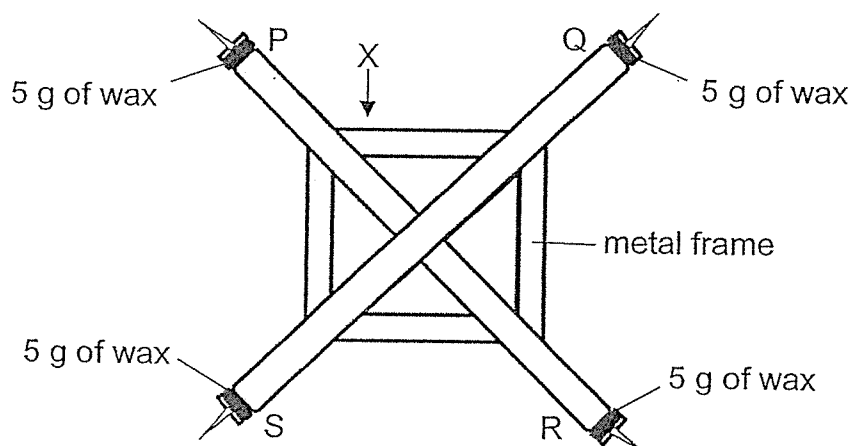
What could object B be?

- (1) mirror  
(3) sunglasses

- (2) spectacles  
(4) glass beaker

(     )

23. Timothy fixed four thumbtacks, P, Q, R and S, using four blobs of wax on a metal frame as shown below.

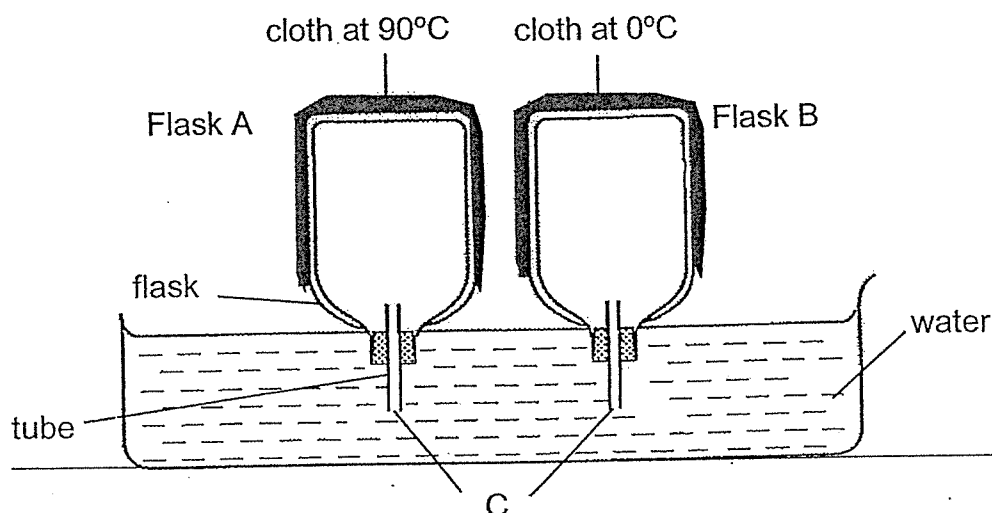


He heated the metal frame at X. What would be the likely order the thumbtacks would drop?

- (1) P, Q, S, R  
(2) P, S, Q, R  
(3) Q, P, S, R  
(4) R, S, Q, P

(     )

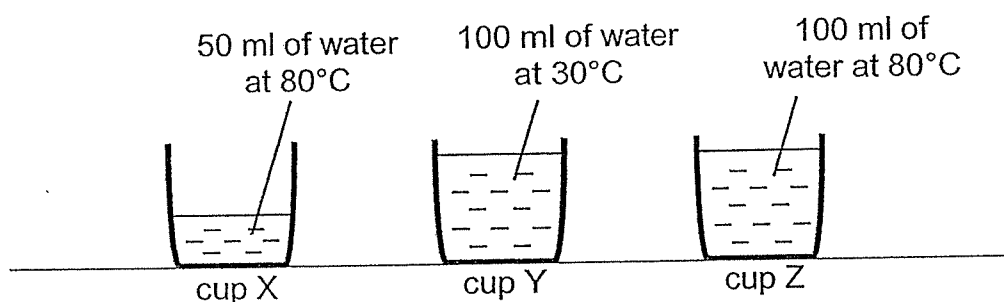
24. Bala placed two empty flasks, A and B, into a basin of water. Flask A was wrapped with a cloth at  $90^{\circ}\text{C}$  and Flask B was wrapped with a cloth at  $0^{\circ}\text{C}$  as shown below.



Which of the following was observed after two minutes?

	Flask A	Flask B	
(1)	bubbles observed at C	bubbles are observed at C	
(2)	bubbles observed at C	water entered the tube at C	
(3)	water entered the tube at C	bubbles are observed at C	
(4)	water entered the tube at C	water entered the tube at C	( )

25. Study the diagrams below.



Adam, Bernard, Carrie and Davina, made the following statements.

Adam: Cup X has more heat than cup Z.

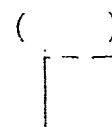
Bernard: Cup X has lesser heat than cup Y.

Carrie: Cup Z has the most amount of heat.

Davina: Cup Y and Z has the same amount of heat.

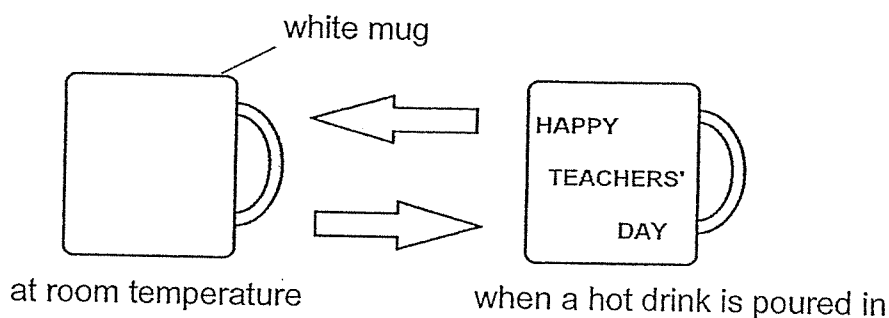
Which of the statement(s) above is/are correct?

- (1) Adam only
- (2) Carrie only
- (3) Bernard only
- (4) Bernard and Davina



26. Using a special paint R, Steven made a Teachers' Day gift by painting the words "Happy Teachers' Day" on a white mug.

R is white in colour when it is at room temperature, but turns black when a hot drink is poured into the cup.

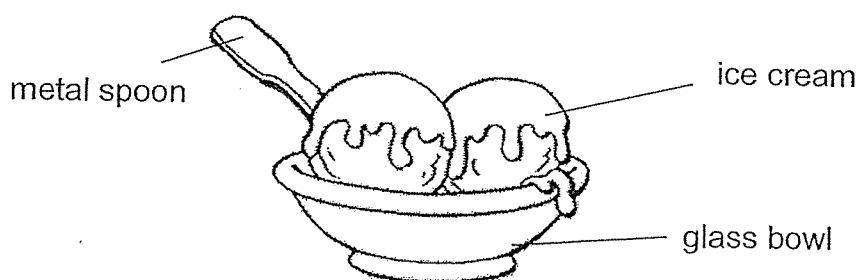


Which of the following explains how the words appear on the mug?

	The words <b>appear</b> when paint R ....	The words <b>disappear</b> when paint R...
(1)	loses heat	gains heat
(2)	gains heat	loses heat
(3)	loses heat	neither loses nor gains heat
(4)	gains heat	neither loses nor gains heat

( )

27. Mr Tan placed a metal spoon in a glass bowl filled with ice cream.



He observed that the metal spoon became colder after a short while. Based on his observation, which one of the following best explains how heat flowed?

	Direction of heat flow	
(1)	glass bowl	metal spoon
(2)	metal spoon	glass bowl
(3)	metal spoon	ice cream
(4)	surrounding air	metal spoon

( )

28. Eric ate some sushi that had gone bad and suffered from food poisoning.

Which part of Eric's digestive system is not functioning well that resulted in him passing out watery stools?

- (1) gullet
- (2) mouth
- (3) large intestine
- (4) small intestine

(      )

**End of Booklet A**



YEAR : 2024

LEVEL : PRIMARY 4

SCHOOL : HENRY PARK PRIMARY SCHOOL

SUBJECT : SCIENCE

TERM : END OF YEAR EXAMINATION PRACTICE SET 2

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

1  
END