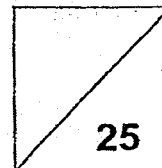




Henry Park Primary School
Primary 4 Science
2018 Term Review 2



Duration of Paper : 40 min

Name : _____ ()

Class : Primary 4 _____

Parent's Signature : _____

Section A : Multiple-Choice Questions (14 marks)

For each question from 1 to 7, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write the correct answer (1, 2, 3 or 4) in the table provided.

Q1	Q2	Q3	Q4	Q5	Q6	Q7

1. Study the table below.

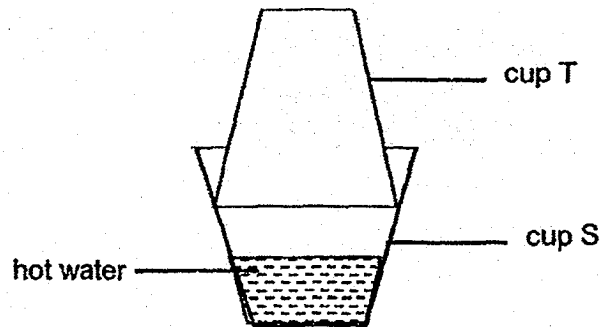
Sample	Shape	Good conductor of heat
F	Takes the shape of the container	Yes
G	Does not take the shape of the container	No
H	Takes the shape of the container	No
J	Does not take the shape of the container	Yes

Which one of the following identifies a sheet of aluminium foil and air correctly?

	A sheet of aluminium foil	Air
(1)	F	G
(2)	J	H
(3)	H	G
(4)	F	J

()

2. Stacy poured hot water into plastic cup S. Another plastic cup T was placed upside down over the cup of hot water, as shown below. The set-up was placed in an air-conditioned room with temperature of about 20°C.

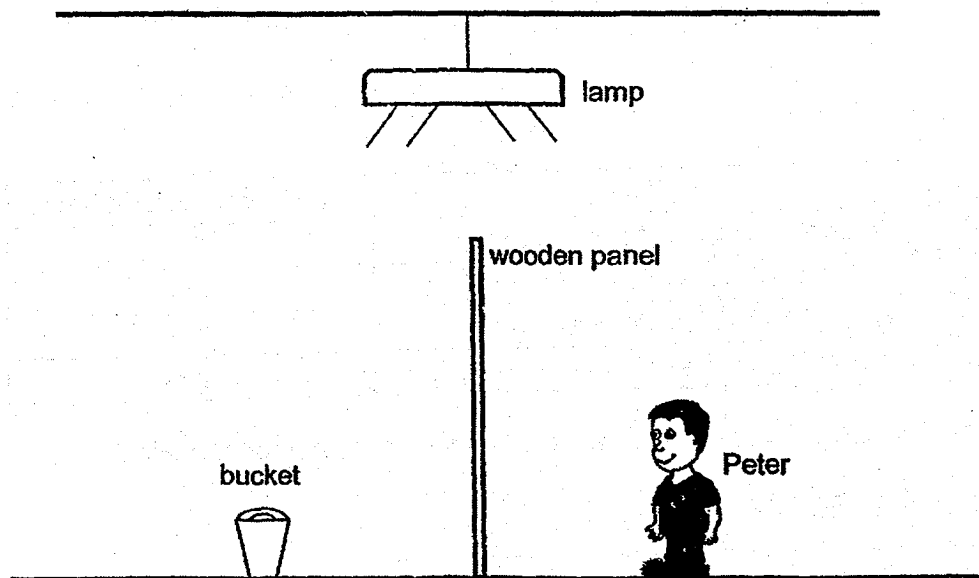


Which one of the following is most likely to occur?

- (1) The hot water will lose heat to cup S.
- (2) Cup S will gain heat from the surroundings.
- (3) Cup T will lose heat to the hot water and expand.
- (4) The hot water will gain heat from the surroundings.

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3. Peter was standing behind a wooden panel, as shown in the diagram below.

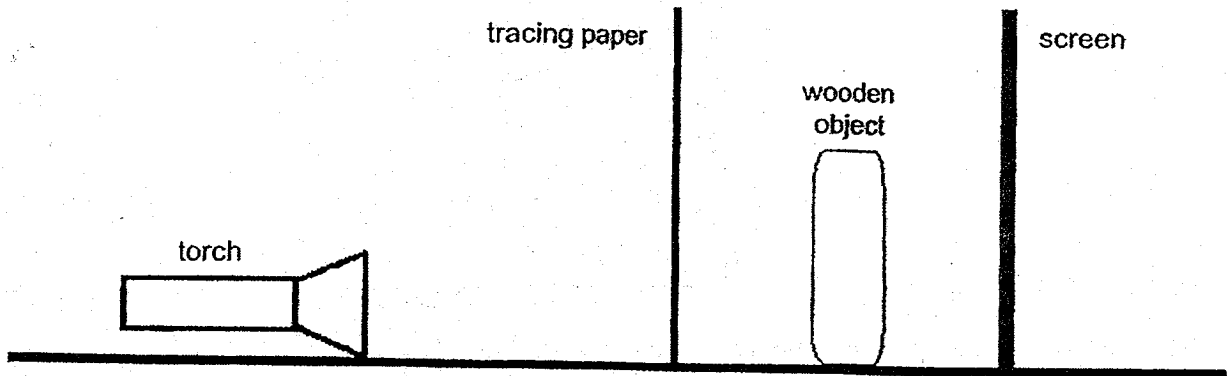


Which one of the following explains why Peter was not able to see the bucket?

- (1) The wooden panel is not a light source.
- (2) The bucket did not reflect light from the lamp.
- (3) The bucket did not allow light to pass through.
- (4) The wooden panel did not allow light to pass through.

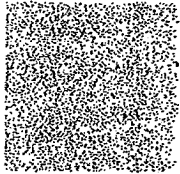
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4. A wooden object was placed between a piece of tracing paper and a screen, as shown in the diagram below.

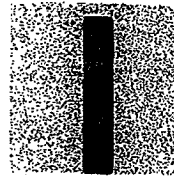


Which one of the following shadows will be seen on the screen when the torch is switched on?

(1)



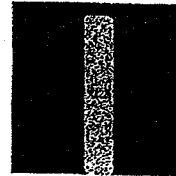
(2)



(3)

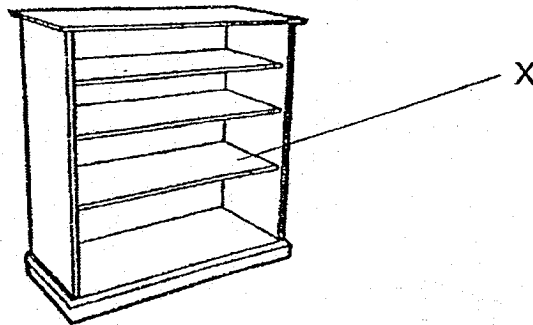


(4)



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5. Peter wants to make a bookshelf as shown below.



The table below shows some properties of four materials, A, B, C and D.

Material	Strong	Flexible
A	x	✓
B	✓	x
C	x	x
D	✓	✓

(✓ - has the property, x - does not have the property)

Which one of these materials, A, B, C or D, is most suitable for making part X of the bookshelf?

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

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6. Which one of the following objects are made from materials that come from plants?

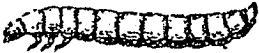
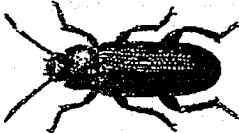
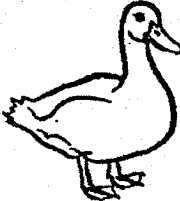
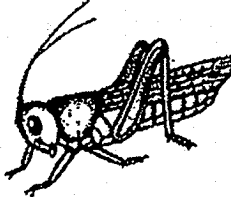
- A : paper cup
- B : metal pipe
- C : rubber hose

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

()

7. The diagrams below show four different animals at its young and adult stage.

Which one of the following animals goes through a 4-staged life cycle?

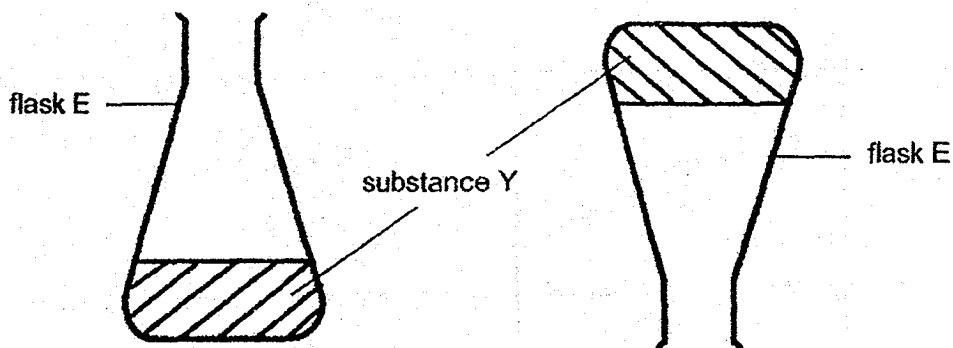
	Animal	Young	Adult
(1)	Beetle		
(2)	Frog		
(3)	Duck		
(4)	Grasshopper		

()

Section B : Open-Ended Questions (11 marks)

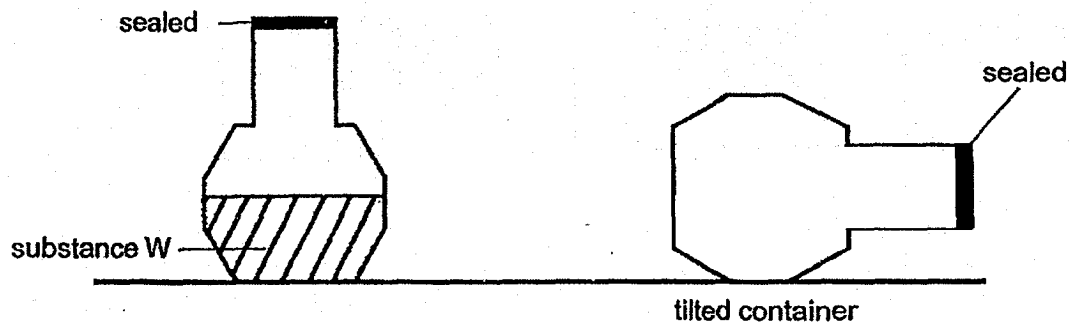
For each question from 8 to 11, write your answers in the spaces given.

8. Joan wanted to find out if substance Y found in flask E was solid, so she overturned the flask as shown below.



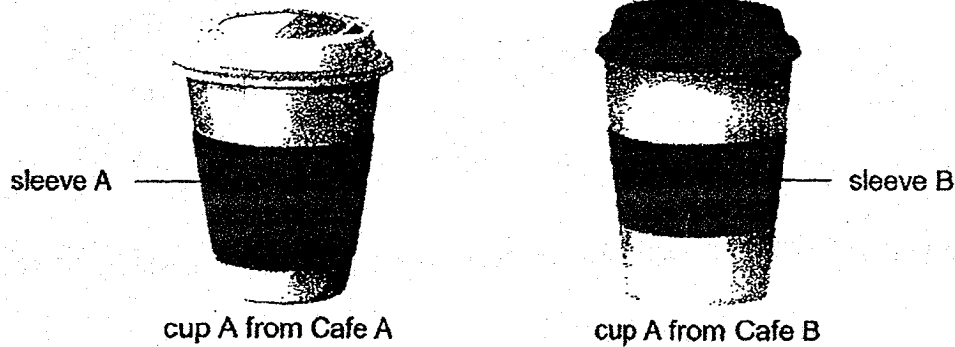
- (a) Explain why substance Y is likely to be a solid. [1]

- (b) Draw to show how substance W will appear in the tilted container if it is a liquid. [1]

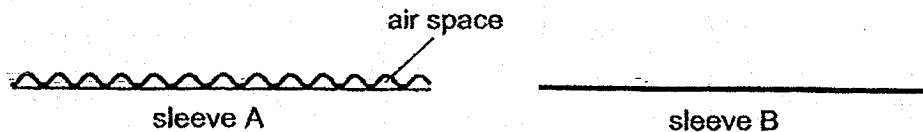


- (c) Liquids and gases have mass and occupy space.
State another **common** property of liquids and gases. [1]

9. Kathy bought a cup of coffee each from two different cafes, Cafe A and Cafe B. The two cups of coffee were served in paper cups with sleeves. The diagram below shows the sleeves from the two cafés.



The side view of the sleeve is shown below.



- (a) State the purpose of using the sleeve.

[1]

- (b) Based on your answer for (a), which sleeve, A or B, allows Kathy to hold the cup of coffee longer? Give a reason for your answer.

[2]

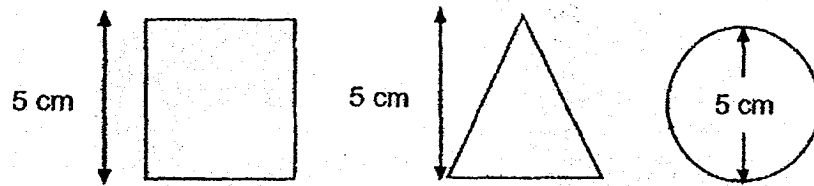
Cafe C served its coffee in a foam cup without the use of any sleeves. The table below shows the length of time Kathy was able to hold the cup of coffee before she found it too hot to hold.

Cup	A	B	C
Length of time Kathy was able to hold the cup (min)	10	7	20

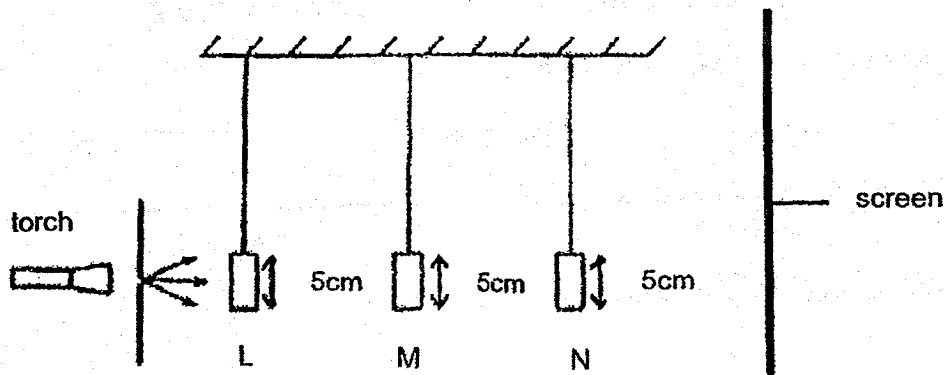
- (c) Based on the table above, in which cup would the coffee reach room temperature first? Explain why.

[1]

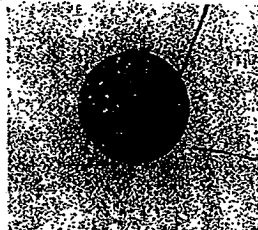
10. The diagrams below show three shapes, a square, a triangle and a circle, each made of a different material.



The diagram below shows the side view of the three shapes hung at positions, L, M and N.



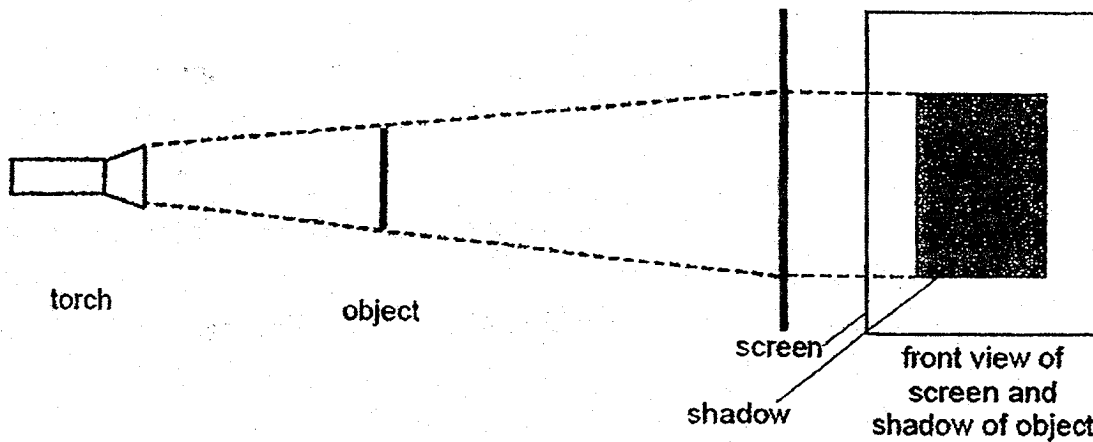
The shadows cast on the screen are shown below.



Which shape is hung at position L? Explain your answer.

[2]

11. Mary set up an experiment as shown below.



Study the diagram above and fill in the blanks below with the words "nearer to" and "further from".

[2]

In order to make the shadow on the screen **bigger**, Mary can

- (a) Move the torch _____ the object.
- (b) Move the screen _____ the object.

~ End of Term Review ~

EXAM PAPER 2018 (P4)

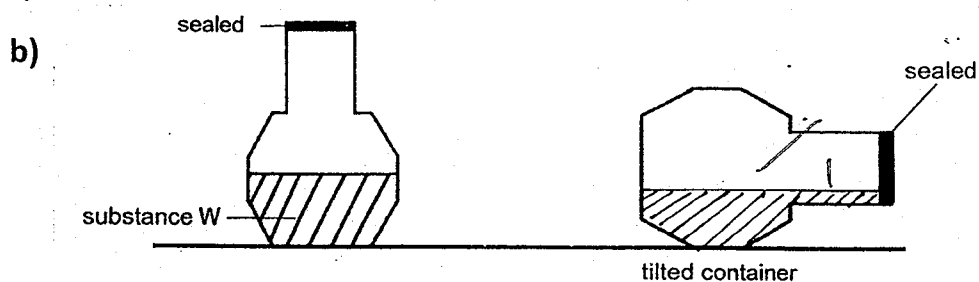
SCHOOL : HENRY PARK

SUBJECT : SCIENCE

TERM : CA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7
2	1	4	2	2	3	1

Q8) a) Substance Y has a definite shape.



Liquids and gases have mass and occupy space.

c) Liquid and gases both take the shape of a container when in it.

Q9) a) Using the sleeve can allow Kathy to hold the cup longer.

b) Sleeve A as there are air space. Air is a poor conductor of heat. Hence, Sleeve A will transfer heat from the coffee slower, allowing Kathy to hold the cup longer.

c) Cup B, as it loses heat the fastest.

Q10) The square. The shadow of the square is the biggest as it is nearest to the torch.

Q11) a) nearer to

b) further from