MAHA BODHI SCHOOL

2020 WEIGHTED ASSESSMENT 2

SCIENCE REVIEW 2

PRIMARY THREE

Name : _____( )

Class : Primary 3 _____

Duration : 40 min

Date : 27 August 2020

Parent's Signature: _____

Booklet A (16 marks)	
Booklet B (14 marks)	
Total (30 marks)	

SECTION A : [8 x 2 marks = 16 marks]

For each question from 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). **Write your answer in the bracket below.**

1. Which of the following statements is true about all bacteria?

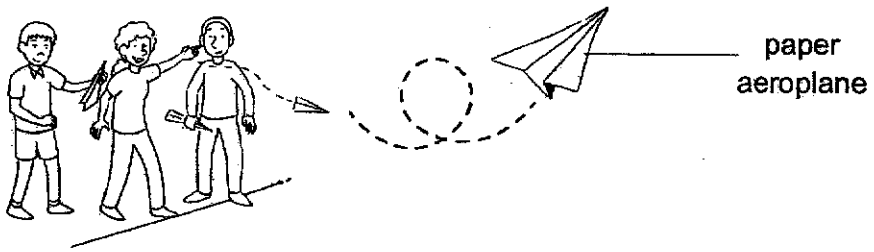
   (1) It is harmful to man.
   (2) It is able to produce its own food.
   (3) It can be seen clearly with our eyes.
   (4) It can only be seen clearly under a microscope. ( )

2. Which of the following is a possible reason why glass is not suitable to make a water bottle for children?

   (1) It bends easily.
   (2) It breaks easily.
   (3) It sinks in water.
   (4) It does not absorb water. ( )

Marks : / 4

3. A group of boys used papers to fold paper aeroplanes for a competition as shown in the diagram below



Which of the following properties of the paper allows it to be folded to a paper aeroplane?

(1) It is flexible.
(2) It is waterproof.
(3) It is able to float on water.
(4) It does not allow light to pass through. ( )

4. A freely suspended magnet will come to rest in the _____ direction.

(1) east-west
(2) north-west
(3) south-west
(4) north-south ( )

5. Sam brought a magnet near to different objects to test which objects would be attracted to the magnet.

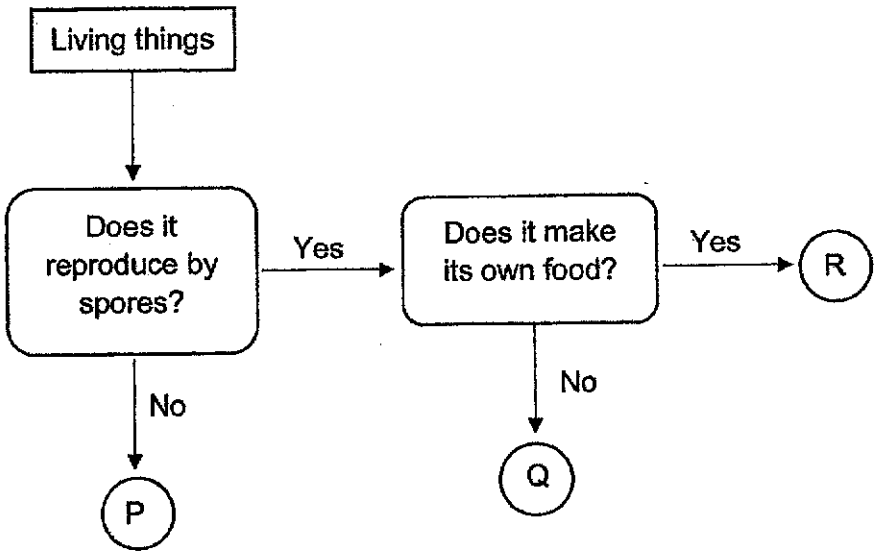
Which two of the following objects would be attracted to the magnet?

A. iron coin
B. rubber eraser
C. aluminium clip
D. U-shaped magnet

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

Marks : / 6

6. Study the flowchart below.



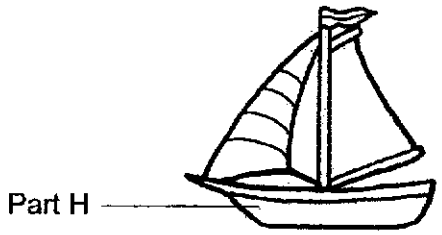
Which of the following represents P, Q and R correctly?

	P	Q	R
(1)	fungi	non-flowering plant	animal
(2)	animal	fungi	non-flowering plant
(3)	flowering plant	non-flowering plant	animal
(4)	fungi	animal	flowering plant

( )

Marks : /2

7. Jason wants to make a toy boat from recyclable materials that can float on water.

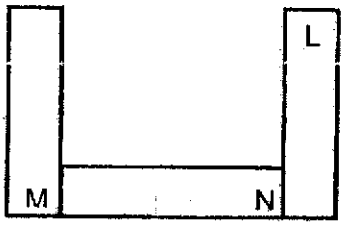


Which of the following statement(s) best describe(s) the properties of materials that he needs to consider when building part H of the toy boat?

A. It is waterproof.
B. It breaks easily.
C. It is able to float in water.
D. It allows light to pass through.

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

8. The diagram below shows three bar magnets that are attracted to one another.



Which of the following represents the poles at M, N and L?

	M	N	L
(1)	north	south	north
(2)	south	south	north
(3)	north	north	south
(4)	south	south	south

( )

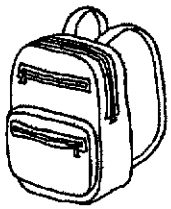
Marks : / 4

SECTION B : [14 marks]
For questions 9 to 12, write your answers in this booklet.

The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

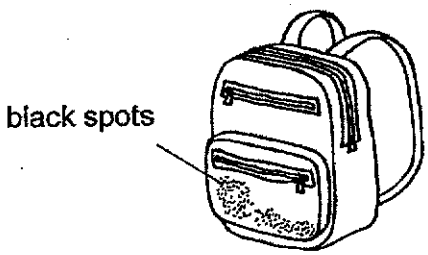
9. Jeremy had two identical school bags, K and L. School bag K was soaked in the rain and became wet and Bag L was dry.

school bag K (wet)



school bag L (dry)

He kept both bags inside the cupboard without taking it out. After a few weeks, black spots appeared on school bag K.



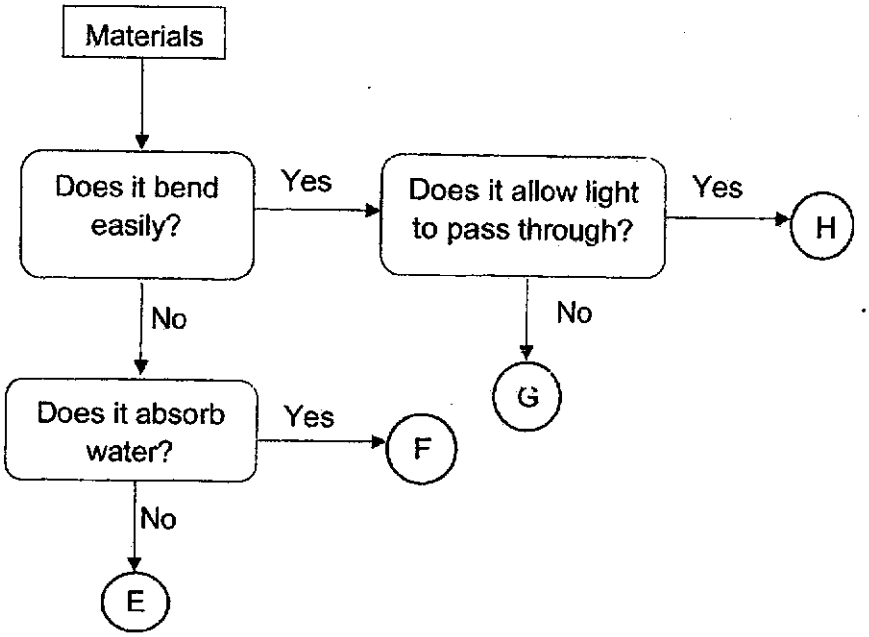
(a) Which group of living things do the black spots belong to? [1]

(b) Based on his observation, what helped the black spots to grow on Bag K but not on Bag L? [1]

(c) Jeremy said that the black spots could make its own food. Do you agree with him? Explain why. [2]

Marks : / 4

10. Study the flowchart below.

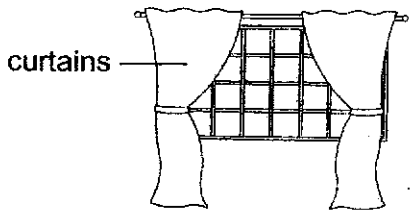


(a) Based on the flowchart, state **two** properties of material F. [2]

_____

_____

(b) The diagram below shows curtains for a baby's room. The curtains keep the room dark on a sunny day.



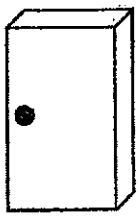
Based on the flowchart, which material E, F, G or H would be suitable to make the curtains? Explain why. [2]

_____

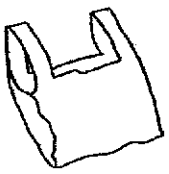
_____

Marks : / 4

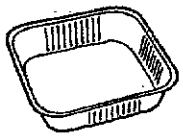
11. (a) The diagrams below show four items P, Q, R and S.



P: steel cupboard



Q: plastic bag



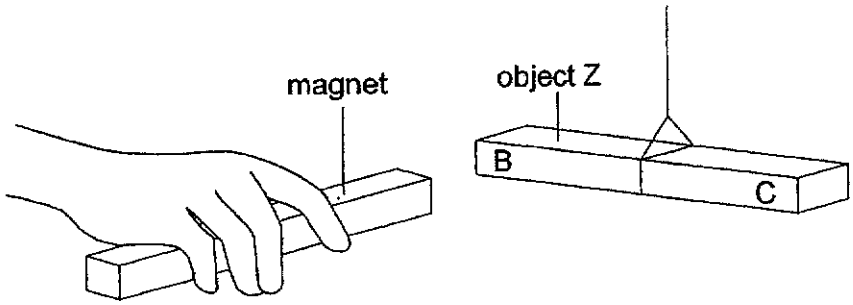
R: aluminum tray

S: rubber boots

Classify the four items by writing the letters P, Q, R and S in the table below. [2]

Magnetic materials	Non-magnetic materials

(b) Jolin brought a magnet near a freely suspended object Z. The magnet attracted part B of object Z.



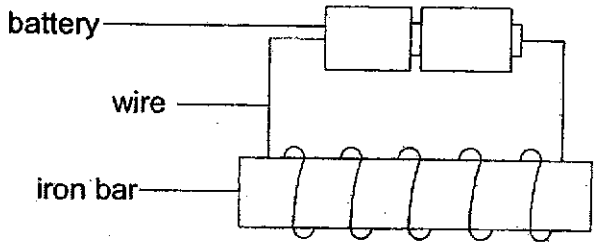
Describe what she should do to confirm that object Z is a magnet. [1]

_____

_____

Marks : / 3

12. In an experiment, an iron bar is magnetised using the electrical method as shown below.



Alan increased the number of coils and counted the number of steel pins attracted to the iron bar. He recorded the results in a table below.

Set-up	Number of coils	Number of steel pins attracted
T	10	13
U	15	22
V	20	30

(a) Based on the results, in which set-up is the iron bar the strongest electromagnet? Explain your answer. [1]

(b) If Alan were to remove one battery from set-up T, what would happen to the number of steel pins that can be attracted by the iron bar? Explain your answer. [2]

Marks : / 3

~ END OF PAPER

SCHOOL : MAHA BODHI SCHOOL

LEVEL : PRIMARY 2
SUBJECT : SCIENCE
TERM : 2020 cA2

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4	2	1	4	2	2	3	4

SECTION B

Q9)	(a) Fungi (b) Water helped the black spots to grow on bag K (c) No. Fungi cannot make its own food.
Q10)	(a) Stiff and not waterproof (b) G. It does not allow light to pass through so the room will be dark on a sunny day.
Q11)	(a) Magnetic materials – P Non - magnetic materials – Q, R, S (b) Bring the same pole of the magnet to part C of the object and see if it repels.
Q12)	(a) V. It attracted the most number of steel pins so it is the strongest electromagnet. (b) The number of steel pins attracted will decreases. The strength of the electromagnet decreases when a battery is removed.