

Semestral Assessment 1 – 2017
Science
Primary 3

Name : _____ () Date : 9 May 2017

Class : Pri. 3 ()

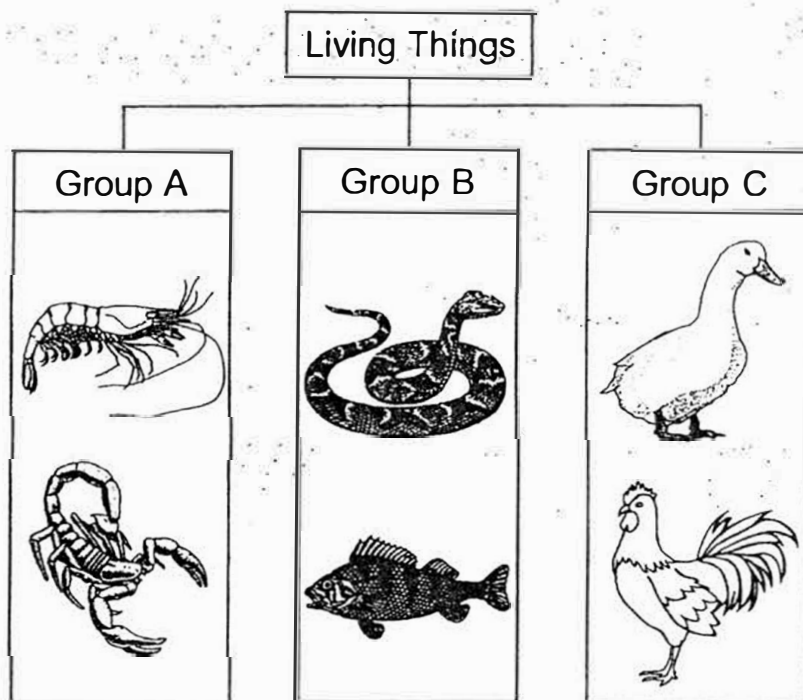
Science Teacher : _____

Time : 50 min

Section A (15 × 2 marks)

For questions 1 to 15, choose the most suitable answer and shade its number (1, 2, 3 or 4) on the Optical Answer Sheet (OAS) provided.

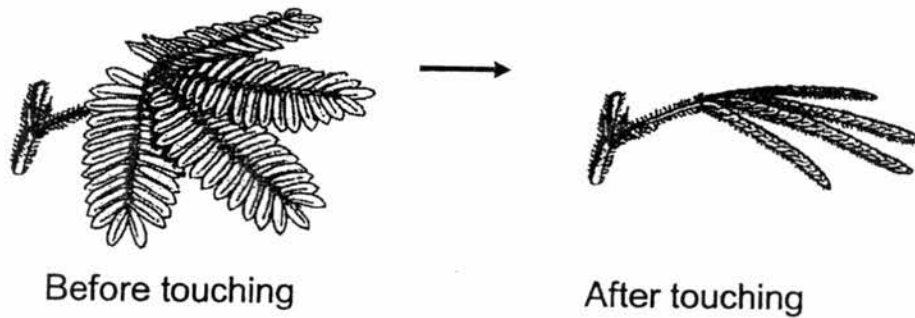
1. Study the classification chart below.



The living things are classified according to _____.

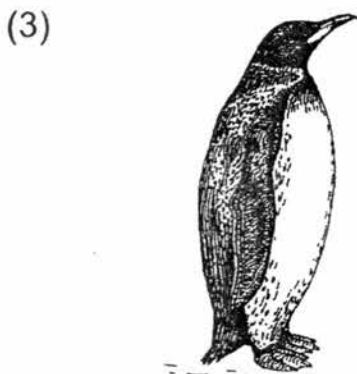
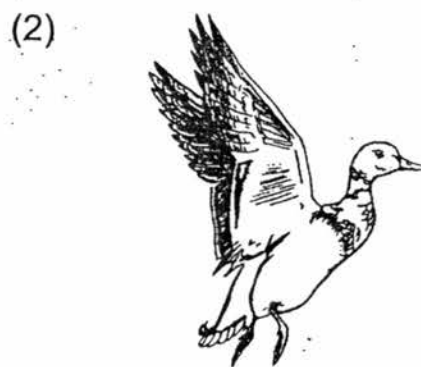
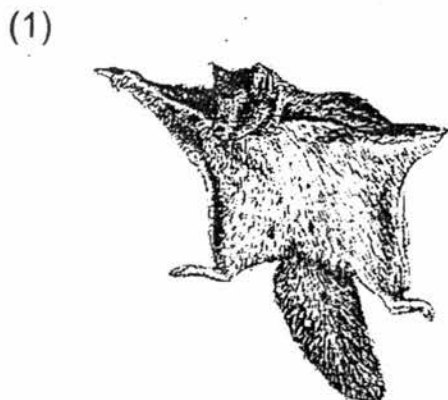
- (1) the food they eat
- (2) the way they move
- (3) the places they live in
- (4) their outer body covering

2. The diagram below shows what happened when Sean touched a plant.



From his observation, Sean could conclude that the plant is a living things because it could _____.

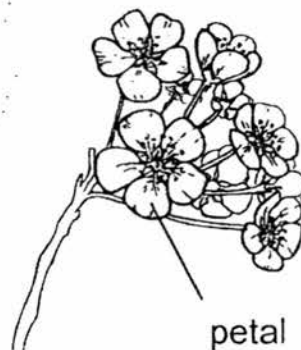
- (1) grow
 - (2) breathe
 - (3) respond
 - (4) reproduce
3. Which of the following animals is **not** a bird?



4. The table below shows how some flowers can be grouped.

	Flower has five petals	Flower does not have five petals
Flowers are grouped together on the stem	group E 	group F 
Flowers are spread out along the stem	group G 	group H 

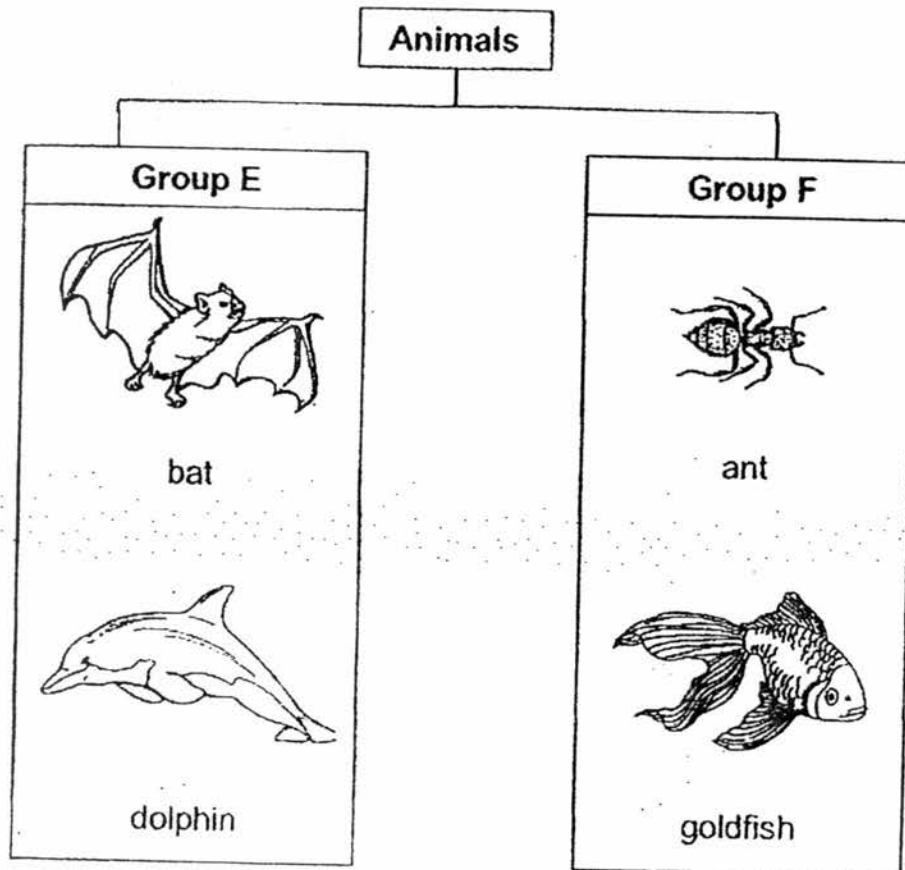
The diagram below shows the flowers of a plant.



Which group of flowers do they belong to?

- (1) E
- (2) F
- (3) G
- (4) H

5. Study the table below.



The animals are grouped according to _____.

- (1) how they reproduce
- (2) how they move about
- (3) their outer body coverings
- (4) the number of legs they have

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6. The diagram below shows two different plants.



fern



morning glory

What do the two plants have in common?

- A : They have leaves.
- B : They have strong stems.
- C : They can produce flowers.
- D : They are grown from spores.

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

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7. Dan read about animal W in a magazine.

- It lays eggs.
- It can live on land and in water.
- It breathes through its moist skin when it is underwater.

Which of the following groups does animal W belong to?

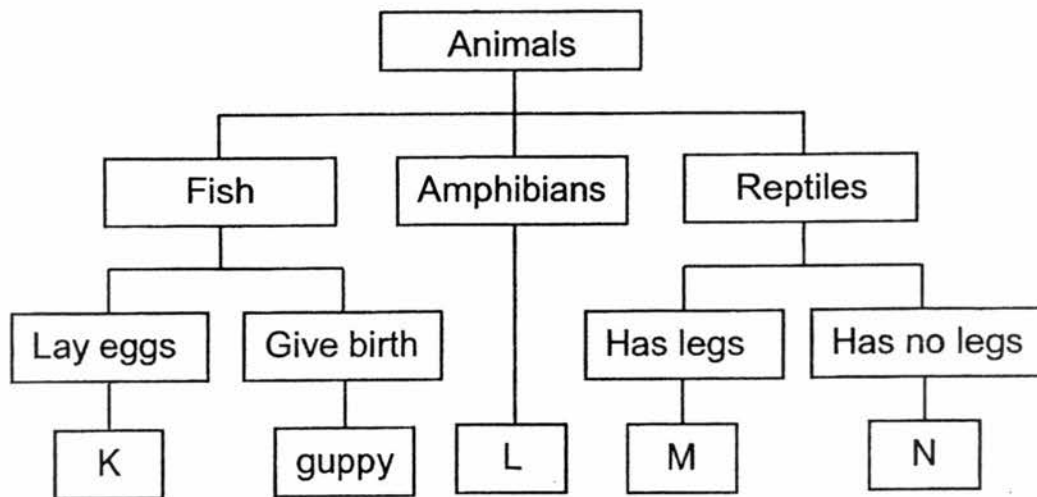
- (1) fish
- (2) reptile
- (3) mammal
- (4) amphibian

8. Which of the following characteristics are found in insects, but **not** in other animals?

- A : They have wings.
- B : They have a pair of feelers.
- C : They have three body parts.
- D : They have three pairs of legs.

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

9. Study the classification diagram.



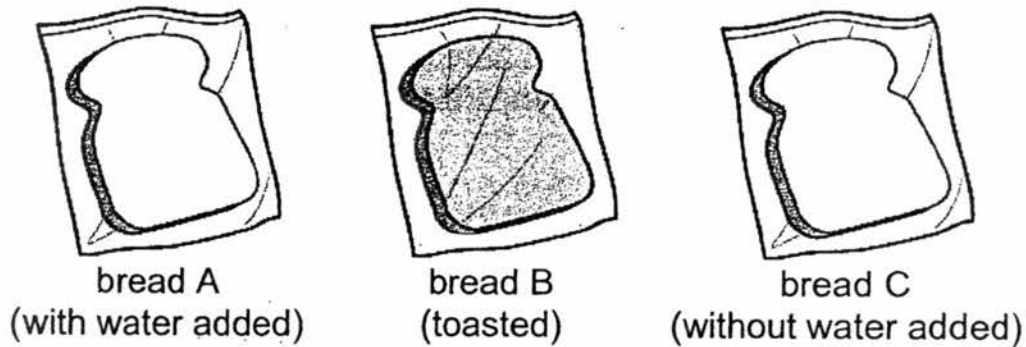
The diagram below shows a snake.



Which of the following represents a snake in the classification diagram?

- (1) K
- (2) L
- (3) M
- (4) N

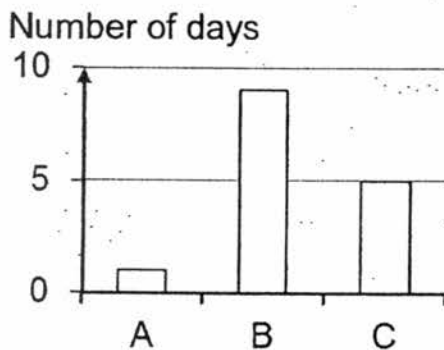
10. Aini had three similar slices of white bread. She added a few drops of water to bread A and toasted bread B. She placed the three slices of bread side by side in a classroom.



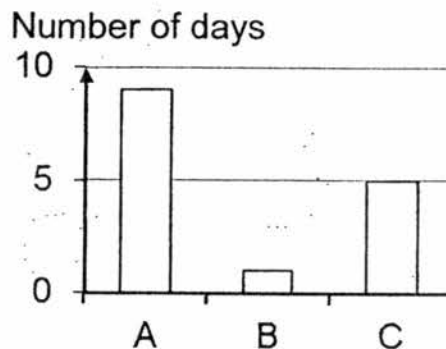
She observed the bread over ten days and recorded the number of days taken for mould to start growing on each slice of bread.

Which of the graphs most likely shows the results of her experiment?

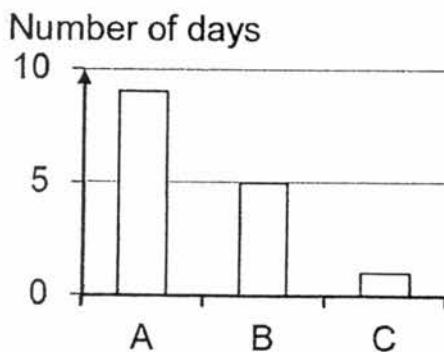
(1)



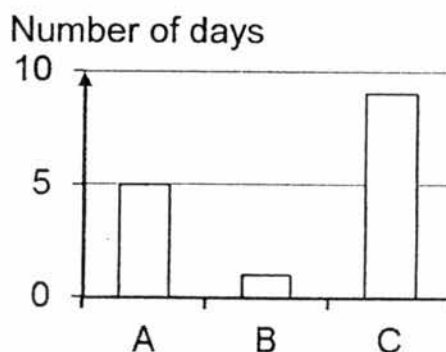
(2)



(3)



(4)

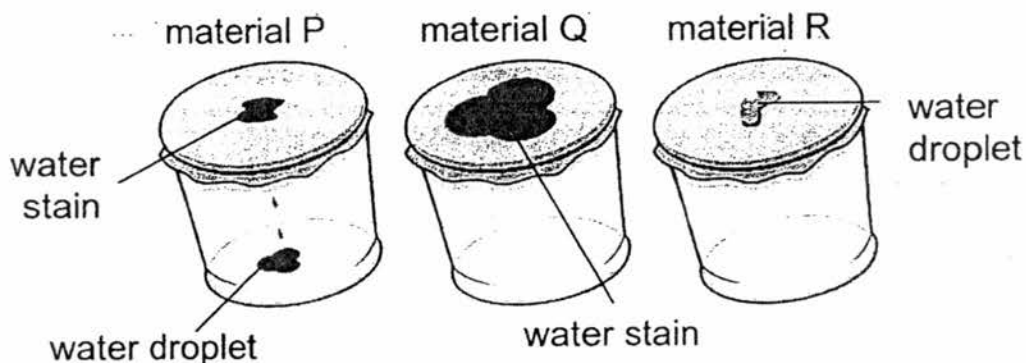


11. Each of the three pupils made a statement about bacteria.

Kailin	Lenny	May
		
All bacteria need water to stay alive.	All bacteria are harmful to us.	All bacteria can be seen with the naked eye.

Which of the pupils is/are correct?

- (1) Kailin only
 - (2) Kailin and May only
 - (3) Lenny and May only
 - (4) All of them
12. Zhiming conducted an experiment on three materials, P, Q and R. He added five drops of water on each material and the diagram below shows what happened after the water was added. When water was absorbed by the material, a water stain was formed on it,



Based on his observations, which of the materials is/are waterproof?

- (1) Q only
- (2) R only
- (3) Q and R only
- (4) P and Q only

13. The table below shows the properties of objects K, L, M and N.

Objects	Breaks easily when dropped	Allows light to pass through it
K	Yes	Yes
L	Yes	No
M	No	Yes
N	No	No

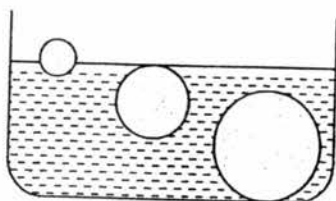
Which of the following objects is most likely to be a ceramic vase?

- (1) K
- (2) L
- (3) M
- (4) N

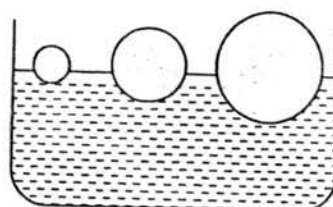
14. Justin had three solid balls of different sizes. The balls were made of the same material. He placed the balls in a tank of water.

Which of the following shows the possible positions of balls in the water?

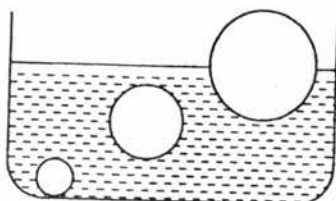
(1)



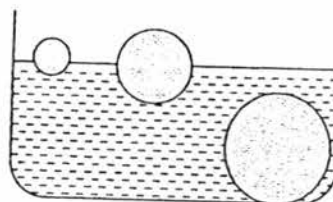
(2)



(3)



(4)



15. Bala classified four objects into two different groups according to whether they are flexible.

Objects	
Group A	Group B
wooden pencil steel ruler	rubber band paper towel

Which of the following objects are correctly classified?

	Group A	Group B
(1)	plastic chopstick	cotton shoe lace
(2)	plastic bag	glass rod
(3)	glass rod	plastic chopstick
(4)	plastic bag	cotton shoelace

End of Section A

Semestral Assessment 1 – 2017
Science
Primary 3

Name : _____ ()

Class : Pri. 3 ()

Date : 9 May 2017

Time : 50 min

Science Teacher : _____

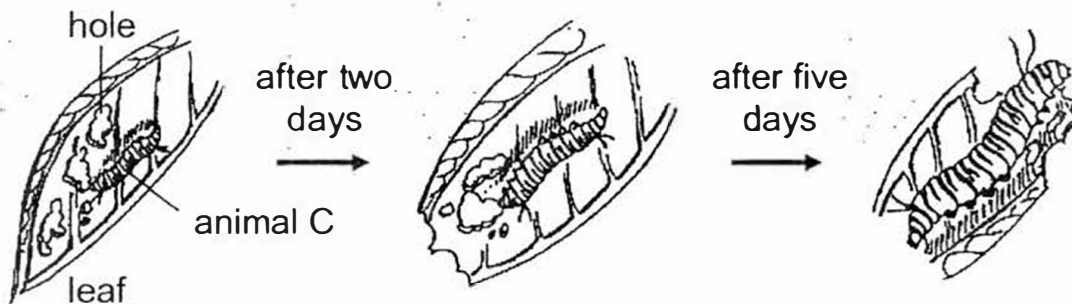
Parent's signature: _____

Section A	30
Section B	20
Total	50

Section B (20 marks)

For questions 16 to 22, write your answers in the spaces provided.

16. Raja found animal C on a plant. He observed how animal C changed over a few days. He also observed that new holes appeared on the leaves on the plant each day.



- a) Fill in each blank with a suitable word.

Based on his observations, Raja can conclude that animal C is a living thing because

it can _____ and it needs _____ to stay alive. [2]

SCORE	
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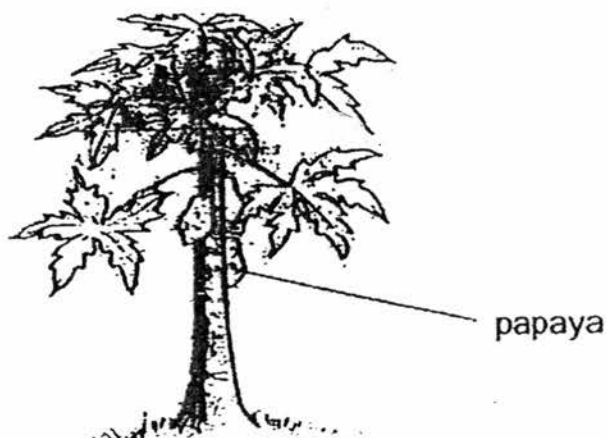
17. The table below shows the characteristics of three plants, plant K, plant L and plant M. A tick (✓) indicates that the characteristic is shown by the plant.

	plant K	plant L	plant M
Plant has flowers.	✓		✓
Plant has fruits that cannot be eaten.			✓
Plant reproduces by spores.		✓	
Plant has large leaves.	✓		✓

- a) Based on the above table, put a tick (✓) in the correct boxes to indicate if the statements below are 'True' or 'False'

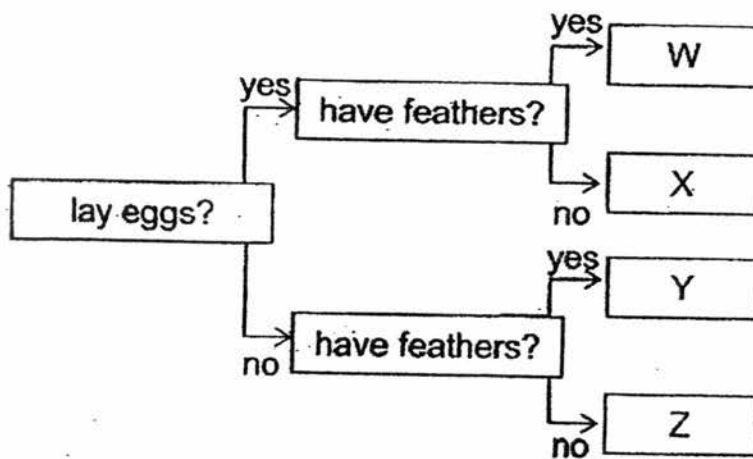
Statement	True	False
(i) Both plant K and plant L are flowering plants.		
(ii) Plant M has fruits.		
(iii) Plant L is a moss plant.		
(iv) Plant L does not have leaves		

- b) The diagram below shows the diagram of a plant.

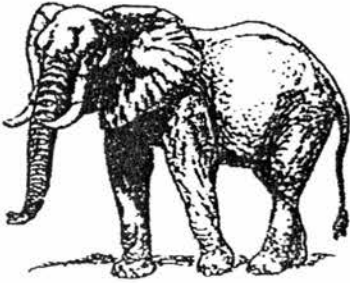


Which of the following plant, K, L or M, is this plant most likely to be?

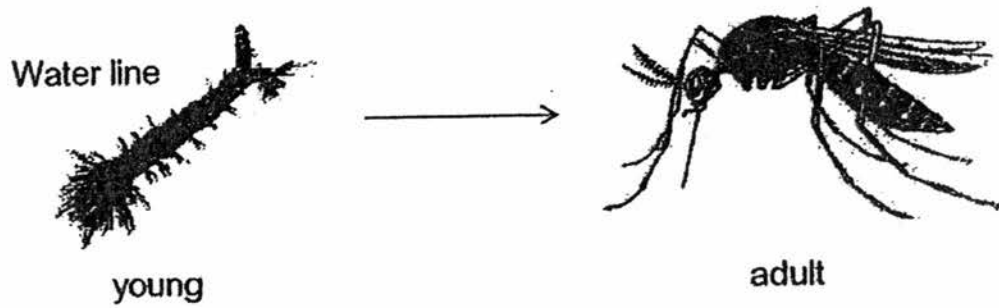
18. Animals W, X, Y and Z are classified as shown.



Fill in the boxes with the letters, W, X, Y or Z to match each of the following animals to the correct letter.

Animal	Letter
a)  ostrich	
b)  elephant	

19. The diagram below shows what happened to the young of animal Z after a few weeks.



- a) Name a characteristic of living things that is shown in the diagram above.

- b) The adult is classified as an insect.

Give **two** characteristics that show that the adult belongs to this group.

Characteristic 1: _____

Characteristic 2: _____

20. Amitra carried out an experiment to find out if mould would grow faster in warm places. She placed two similar strawberries, A and B, in different places. The diagrams below show what she observed after five days.

At the start of the experiment



strawberry A
(placed in a warm classroom cupboard)



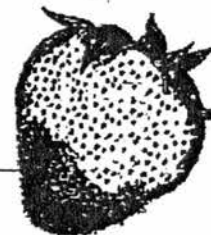
strawberry B
(placed in the refrigerator)

After five days



strawberry A
(placed in a warm classroom cupboard)

mould



strawberry B
(placed in the refrigerator)

- a) Based on her results, Amitra said that mould would grow faster in warm places. Is she correct? Circle your answer. [1]

Yes / No / Cannot tell

- b) Give a reason for your answer in (a). [1]

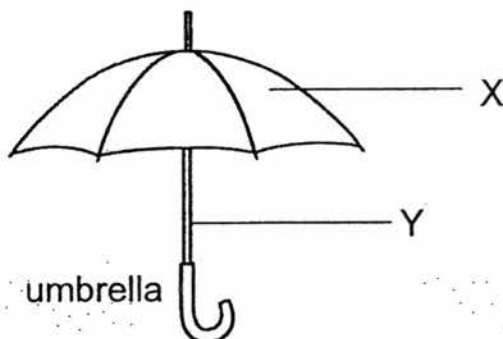
- c) Which group of living things does mould belong to? [1]

SCORE	
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21. Devi conducted some tests on four materials and the table below shows her findings.

Material	A	B	C	D
Is it flexible?	no	yes	no	no
Is it strong?	yes	yes	yes	no
Is it waterproof?	no	yes	yes	yes

Devi wants to make an umbrella as shown below.



- a) Is material A suitable for making part X of the umbrella?
Explain your answer.

[1]

- b) Devi wants to choose a material that is most suitable for part Y of the umbrella.

- i) Which material, **B or C**, is more suitable for making part Y?
Give a reason for your answer.

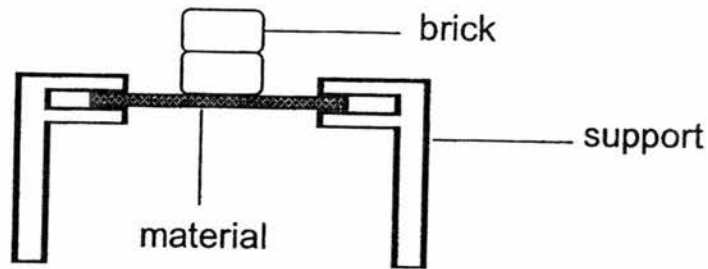
[1]

- ii) Which material, **C or D**, is more suitable for making part Y?
Give a reason for your answer.

[1]

SCORE	
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22. Ming Zhe had four strips made of different materials, W, X, Y and Z. He conducted an experiment as shown below. He placed bricks on each strip, one brick at a time, until the strip broke.

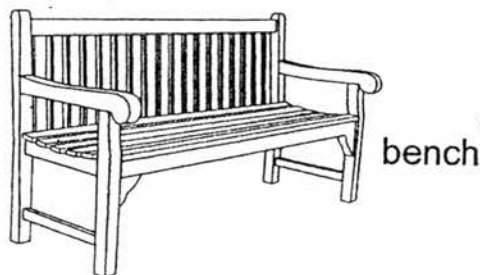


The table below shows the results of his experiment.

Material	W	X	Y	Z
Maximum number of bricks the strip can hold without breaking	7	2	10	4

- a) Which property of the material was he trying to test? [1]

- b) Ming Zhe wanted to make a bench as shown below.



Which material, W, X, Y or Z, is most suitable for making the bench? [1]

- c) Give a reason for your answer. [1]

End of Section B

Set by : Mr Bernard Chu and Mdm Ong Bok Hoon
Vetted by: P3 Science teachers

SCORE	
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EXAM PAPER 2017

LEVEL : PRIMARY 3
SCHOOL : PEI CHUN PUBLIC SCHOOL
SUBJECT : SCIENCE
TERM : SA1

SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	1	1	1	1	4	2	4	1
Q11	Q12	Q13	Q14	Q15					
1	2	2	2	1					

SECTION B

Q16 (a) Grow, ~~food~~

Q17 a) i) ~~False~~ ii) ~~True~~ iii) ~~True~~ iv) ~~False~~

b) I ~~think~~s it ~~is~~ Plant K

Q18 (a) ~~W~~

(b) ~~Z~~

Q19 (a) Living things ~~can~~ grow.

(b) It has three ~~body~~ plants (1)

It ~~has~~ three pairs of legs (2)

Q20 (a) Yes

(b) There ~~was~~ more ~~mould~~ on ~~straw~~berry A.

(c) Fungi

Q21 (a) No. Material A ~~is not flexible and not waterproof.~~

(b) (i) Material C. ~~Material C is not flexible but material B is flexible.~~

(ii) Material C. ~~Material C is strong but material D is not strong.~~

Q22 (a) Strength

(b) Material Y

(c) Material Y is the strongest.

