

**Test:** Primary 3 - Term 2 (SA1) Science (RGPS)

**Points:** 36 points

**Name:** \_\_\_\_\_

**Score:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Select multiple choice answers with a cross or tick:

Only select one answer

Can select multiple answers

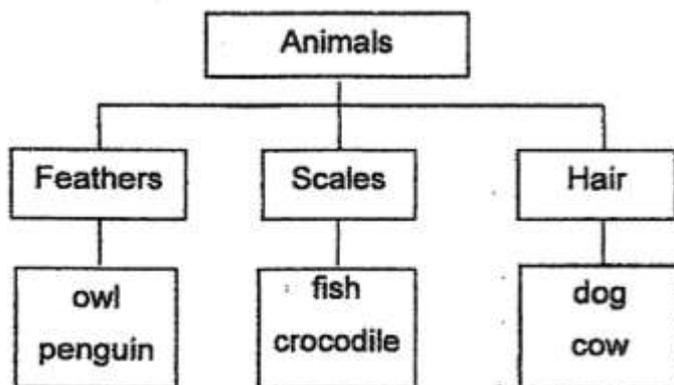
**Question 1 of 33**

Primary 3 Science (Term 2) 2 pts

**SECTION A (18 x 2 marks)**

For each question from 1 to 18, four options-are given.

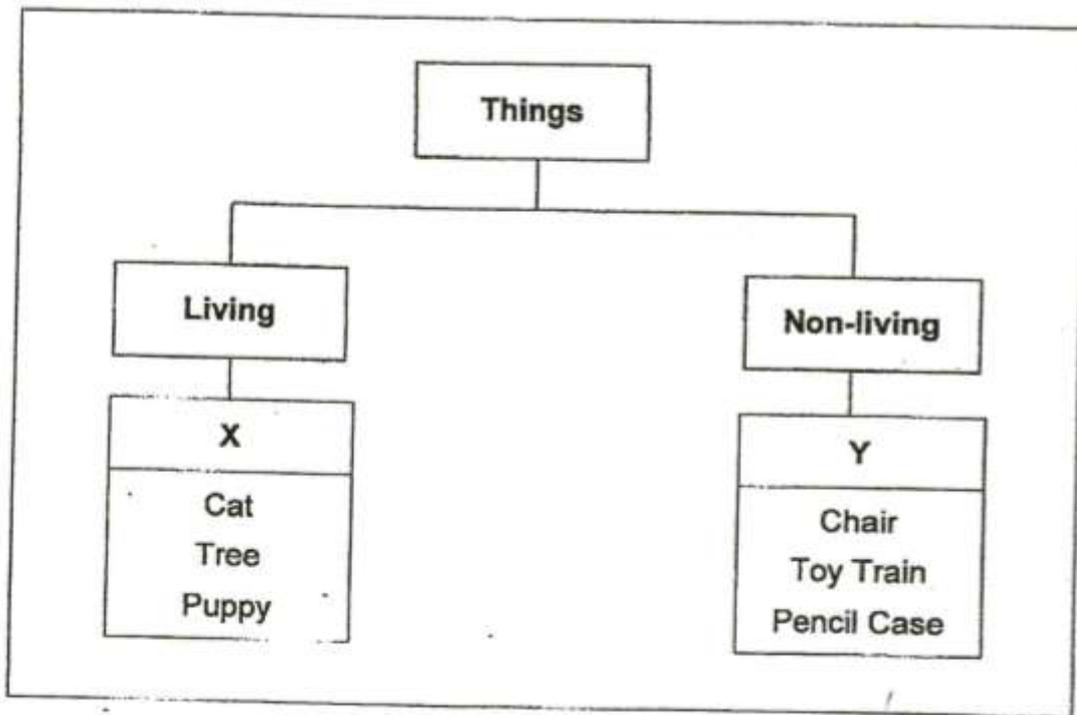
One of them is the correct answer.



Which one of the following correctly describes how the animals are grouped?

- A) Movement
- B) Number of legs
- C) Body coverings
- D) Method of reproduction

In the diagram below, Tom classified some things into group X and Y.



Which one of the following did Tom classify correctly?

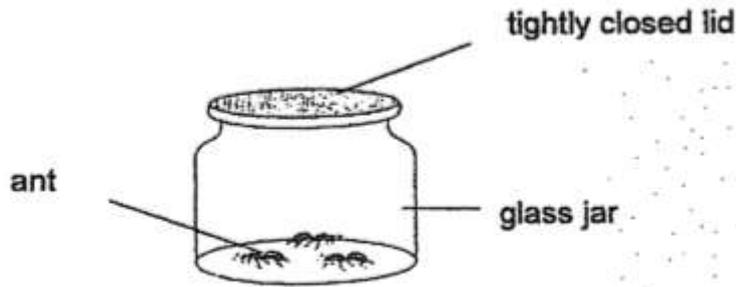
	Group X	Group Y
(1)	fried chicken	elephant
(2)	crocodile	worm
(3)	paper boat	rubber snake
(4)	elephant	fishball

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

**Question 3 of 33**

Primary 3 Science (Term 2) 2 pts

Ali kept some ants in a glass jar as shown in the diagram below.



What must Ali do to ensure that the ants will survive?

- A Make holes on the lid.
- B Give the ants some food.
- C Give the ants some water.

- 
- A) A only
  - B) C only
  - C) A and C only
  - D) A, B and C

**Question 4 of 33**

Primary 3 Science (Term 2) 2 pts

Which one of the following statements show the characteristics of living things?

- A A ball rolled down the stairs.
- B The water bubbled when boiled.
- C A dog barked when it spotted a stranger.
- D Alice could not fit into her dress which she had bought a year ago.

- 
- A) A and B
  - B) A and D
  - C) B and C
  - D) C and D

**Question 5 of 33**

Primary 3 Science (Term 2)

2 pts

Three boys made the following statements about an animal.

Afan: It has moist skin.

Bala: It reproduces by laying eggs.

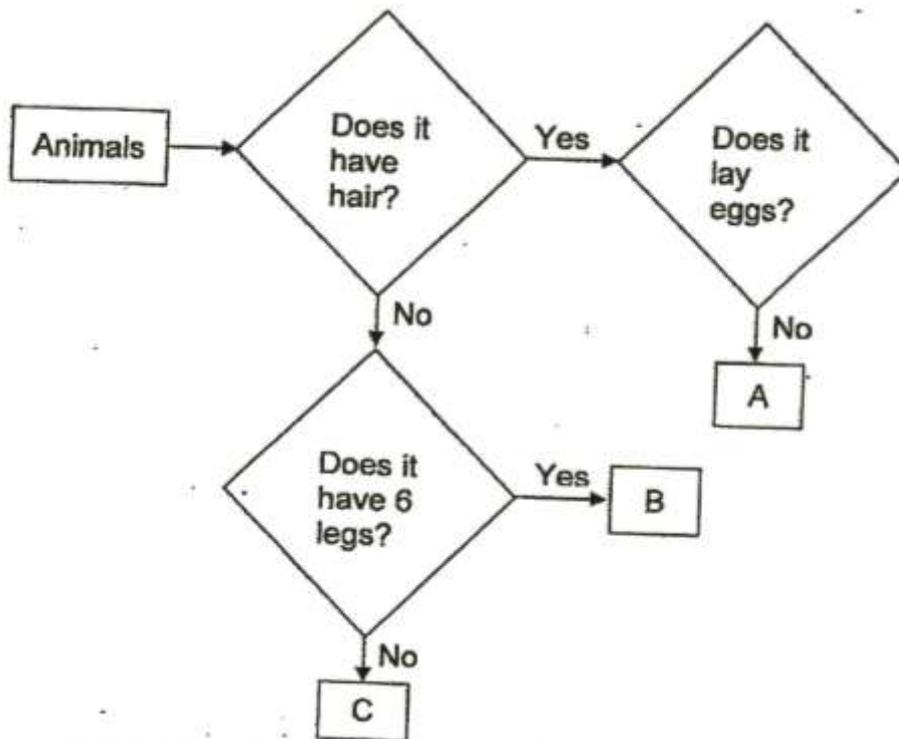
Calvin: It can live both on land and in water.

Which group does the animal belong to?

---

- A)** Birds
- B)** Insects
- C)** Mammals
- D)** Amphibians

Study the flowchart below.



What animal group correctly represents A, B and C?

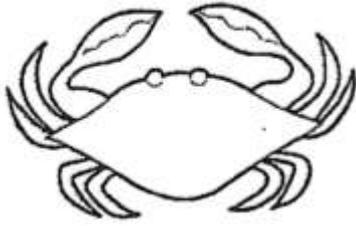
	A	B	C
(1)	fish	amphibian	bird
(2)	mammal	insect	fish
(3)	insect	mammal	fish
(4)	amphibian	fish	bird

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

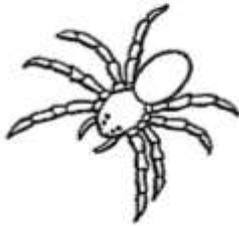
Based on your observations of the following animals, which one of the following is an insect?

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A)



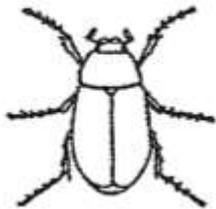
B)



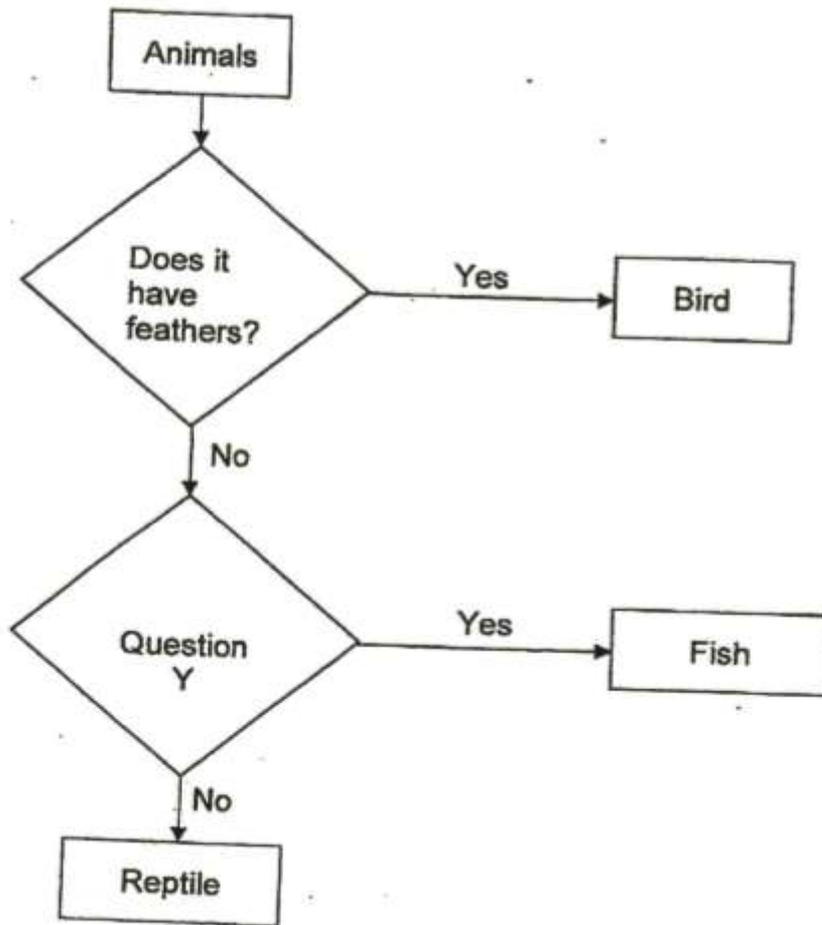
C)



D)



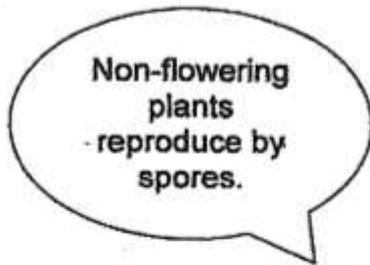
Study the chart below.



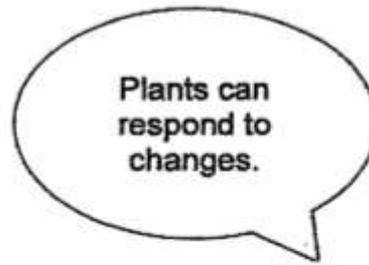
What can Question Y be?

- 
- A) Does it have hair?
  - B) Does it have gills?
  - C) Does it has 6 legs?
  - D) Does it have scales?

Four children made the following statements about plants.



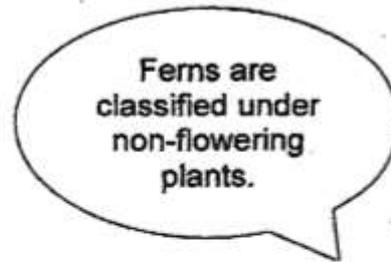
Anna



Ben



Carol

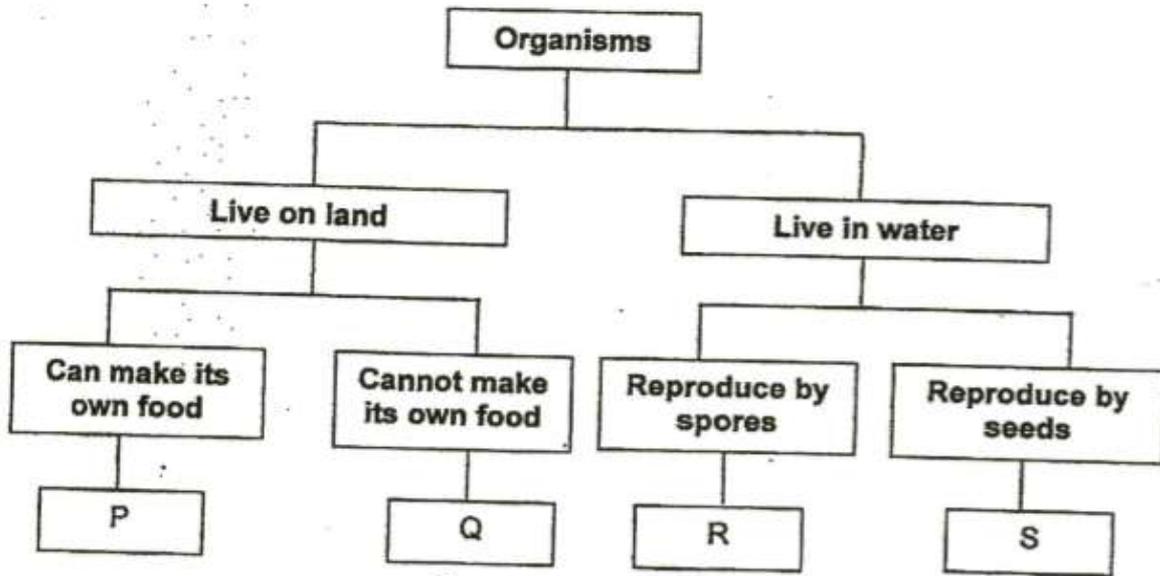


David

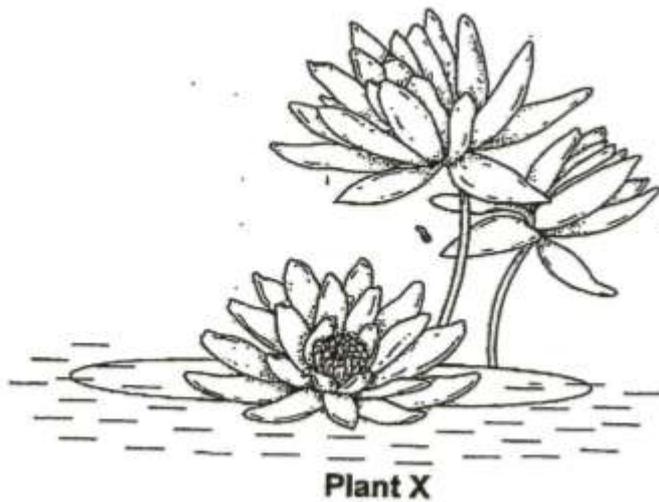
Which of the children made the correct statement(s) about plants?

- 
- A) Carol only
- B) Ben and David only
- C) Anna, Ben and Carol only
- D) Anna, Ben and David only

The classification chart below shows how some organisms are grouped.



Peter wants to classify Plant X as shown below.



Which of the following correctly represents plant X?

- A) P
- B) Q
- C) R
- D) S

**Question 11 of 33**

Primary 3 Science (Term 2) 2 pts

Abby recorded the characteristics of 4 organisms, P, Q, R and S, found in the school garden. A tick shows the presence of the characteristic.

Characteristics	Organisms			
	P	Q	R	S
Does it have spores?	✓	✓		
Does it have leaves?		✓	✓	
Does it have fruits?			✓	
Can it be seen with the naked eyes?	✓	✓	✓	

Which of the following best represents a non-flowering plant?

- 
- A) P
- B) Q
- C) R
- D) S

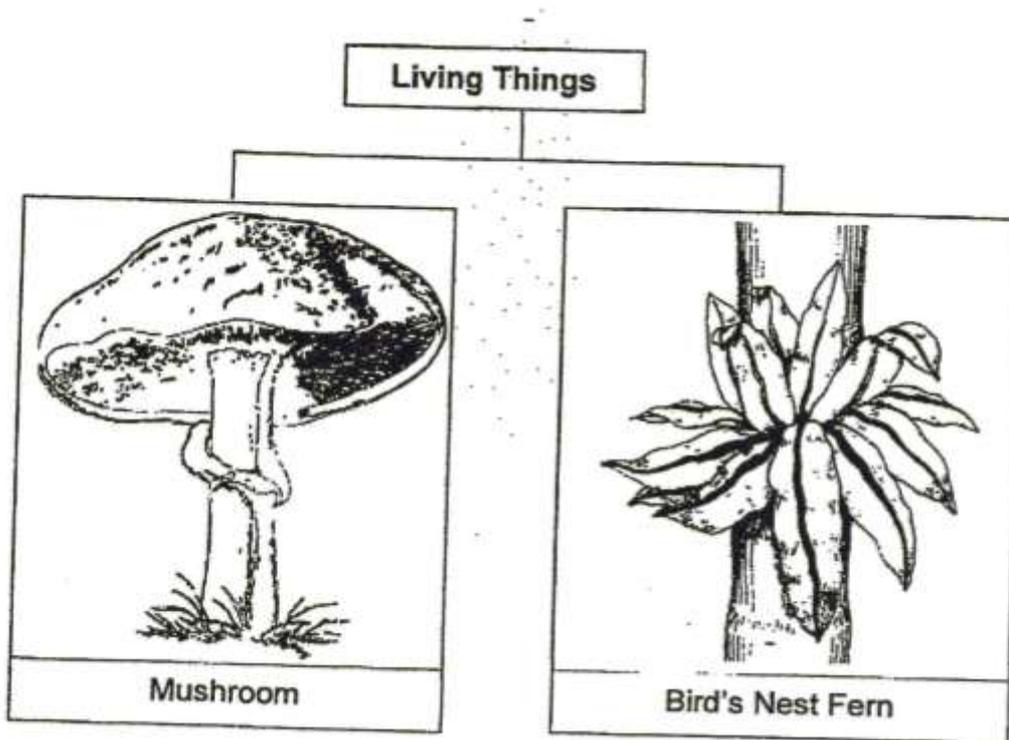
**Question 12 of 33**

Primary 3 Science (Term 2) 2 pts

Which one of the following statements is true about bacteria?

- 
- A) Some bacteria are useful.
- B) Bacteria are non-living things.
- C) Bacteria reproduce by spores.
- D) Bacteria cannot be grouped under micro-organisms:

Study the classification chart below.



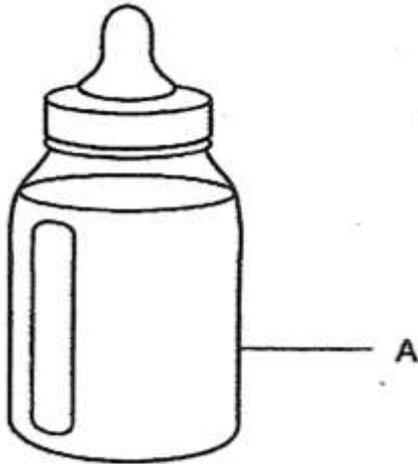
Which of the following correctly describes the difference(s) between a mushroom and a bird's nest fern?

	<b>Mushroom</b>	<b>Bird's Nest Fern</b>
<b>A</b>	cannot reproduce	can reproduce
<b>B</b>	non-flowering plant	flowering plant
<b>C</b>	reproduce by spores	reproduce by seeds
<b>D</b>	cannot make its own food	can make its own food

- A) B only
- B) D only
- C) C and D only
- D) A and C only

Mrs Lim needed to buy a milk bottle for her three-year-old son. Part A of the bottle is made up of a material with the following properties:

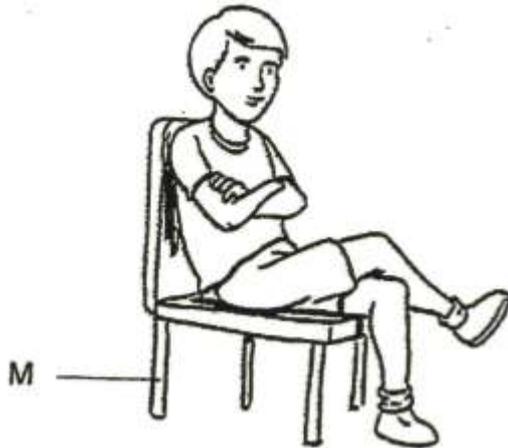
- It cannot break easily.
- Able to see how much milk was left.



Which material is most suitable to make part A of the milk bottle?

- 
- A) glass
- B) metal
- C) plastic
- D) rubber

The picture below shows a boy sitting on a chair.



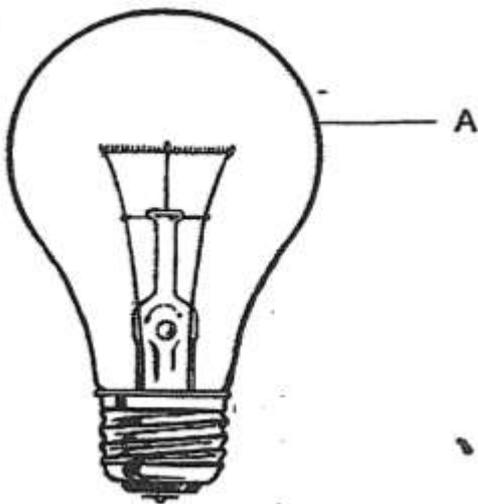
While choosing a material to make M, which of the following properties must be considered to support the mass of the boy?

- 
- A) strength
  - B) flexibility
  - C) waterproof
  - D) degree of transparency

Susan listed the properties of four materials, P, Q, R and S, as shown in the table below. A tick shows the presence of the property.

Property	Materials			
	P	Q	R	S
Is it light?	✓			✓
Is it flexible?	✓	✓	✓	
Is it waterproof?	✓	✓		✓
Is it transparent?			✓	✓

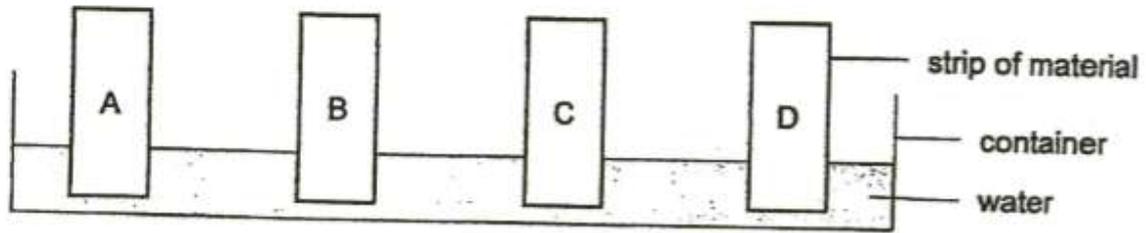
The diagram below shows a light bulb.



Which material is most suitable to make part A of the light bulb?

- 
- A) P
  - B) Q
  - C) R
  - D) S

Mary conducted an experiment to find out the amount of water absorbed by four similar strips of materials A, B, C and D, of the same size and thickness. She placed the four strips in a container of water for half an hour.



The table below shows the results.

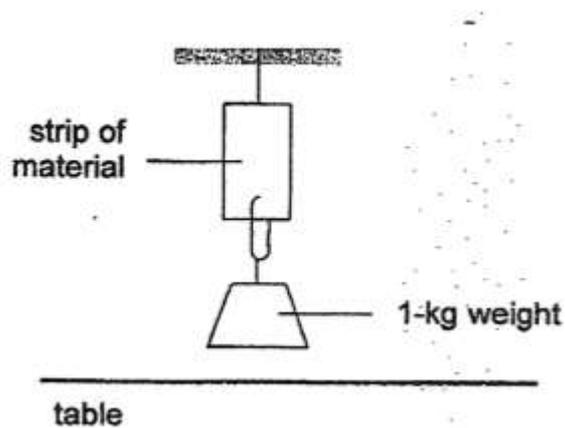
Material	Mass at first (g)	Mass after half an hour (g)
A	2	4
B	2	5
C	2	2
D	2	3

Mary wanted to choose a suitable material for making a pair of gloves to keep her hands dry while washing the dishes.

Based on the results above, which material is most suitable to make the gloves?

- 
- A) A
- B) B
- C) C
- D) D

Eliza conducted an experiment as shown below.



She added 1-kg weights to different strips of materials, K, L, M and N. She counted the number of 1-kg weights that can be added to each strip before it started to tear.

She recorded the results as shown in the table below.

Material	Number of 1-kg weights added before the strip started to tear
K	6
L	3
M	4
N	10

Which of the following statements is correct?

- A) Material N is the weakest.
- B) Material L is the strongest.
- C) Material K is stronger than Material L.
- D) Material M is weaker than Material L.

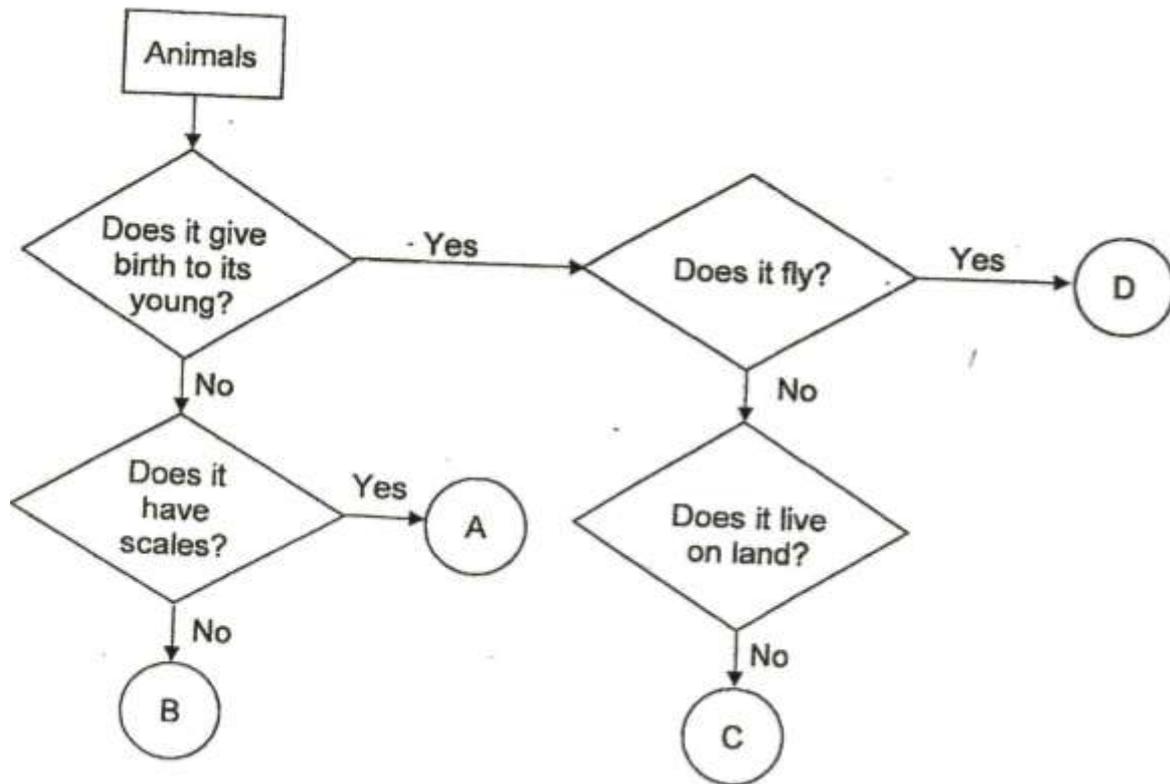
**Question 19 of 33**

Primary 3 Science (Term 2) 0 pts

From question 19 onward, the questions are designed for extended answers that parent/teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

The flow chart below shows how four animals, A, B, C and D, are being grouped.



Name the two characteristics of animal D.

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**Question 20 of 33**

Primary 3 Science (Term 2) 0 pts

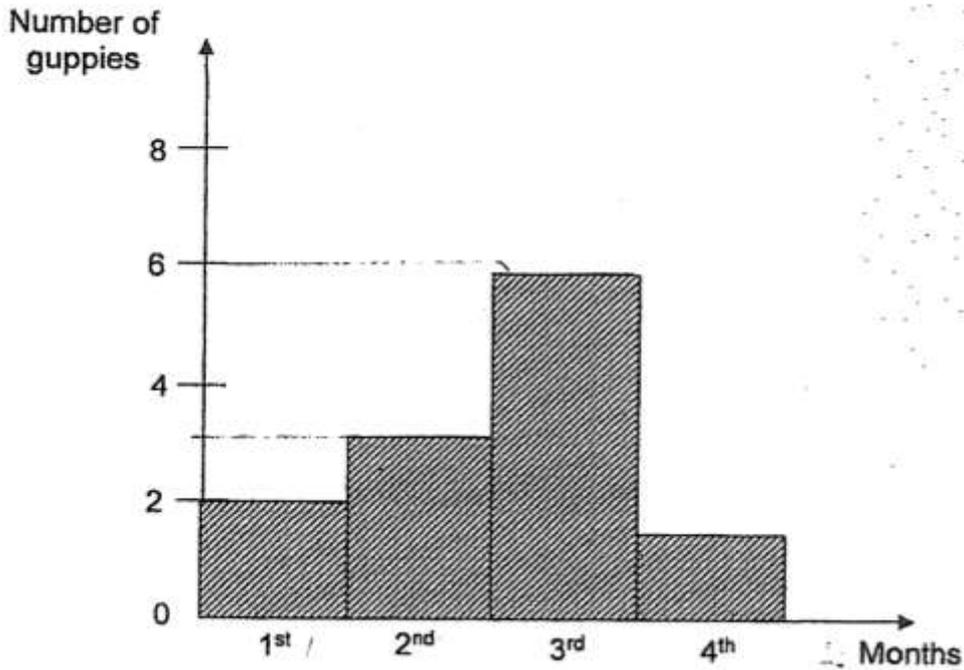
With reference to previous question, state one common characteristics between animals A and B.

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**Question 21 of 33**

Primary 3 Science (Term 2) 0 pts

The graph below shows the changes in the number of guppies in a fish tank over four months. The guppies were provided with sufficient air, food and water.



What does the change in number of guppies in the first three months tell us about the characteristic of a living thing?

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**Question 22 of 33**

Primary 3 Science (Term 2) 0 pts

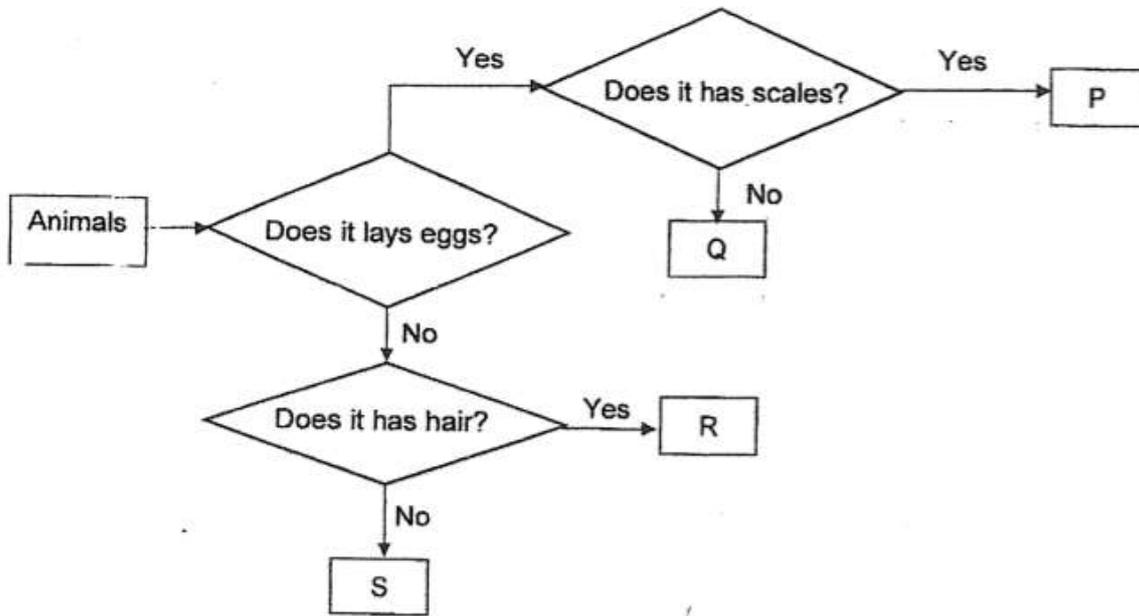
The owner did not add or remove any guppies. State a possible reason for the decrease in the number of guppies in the fourth month.

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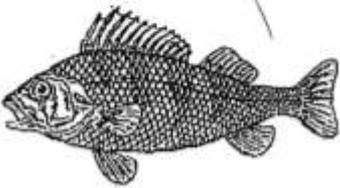
Write 'T' for True and 'F' for False for each of the following statements in the boxes provided.

	Statements	True / False
(a)	All birds have an outer body covering of feathers.	
(b)	All insects have three body parts and a pair of wings.	
(c)	Most mammals give birth to their young alive.	
(d)	Most amphibians reproduce by laying eggs in water.	

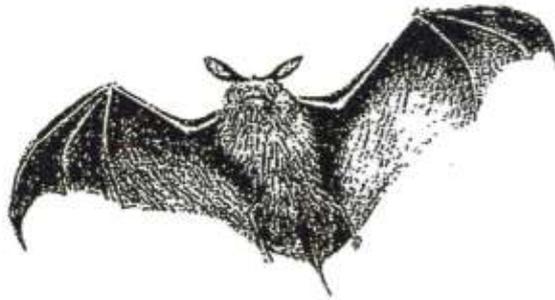
Study the flow chart below.



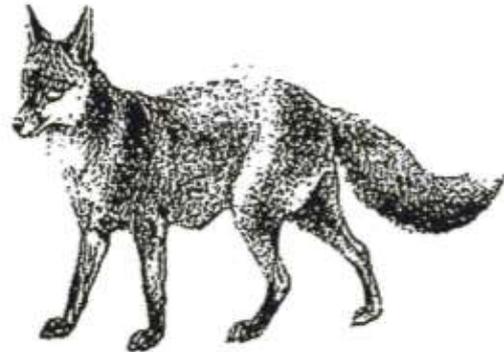
Based on the flow chart above, identify the animal that can be represented by P, Q, R or S. Write the letters, P, Q, R or S in the blanks below.

<p>(a)</p> 	<p>_____</p>
<p>(b)</p> 	<p>_____</p>

Study the animals below.



**Animal A**



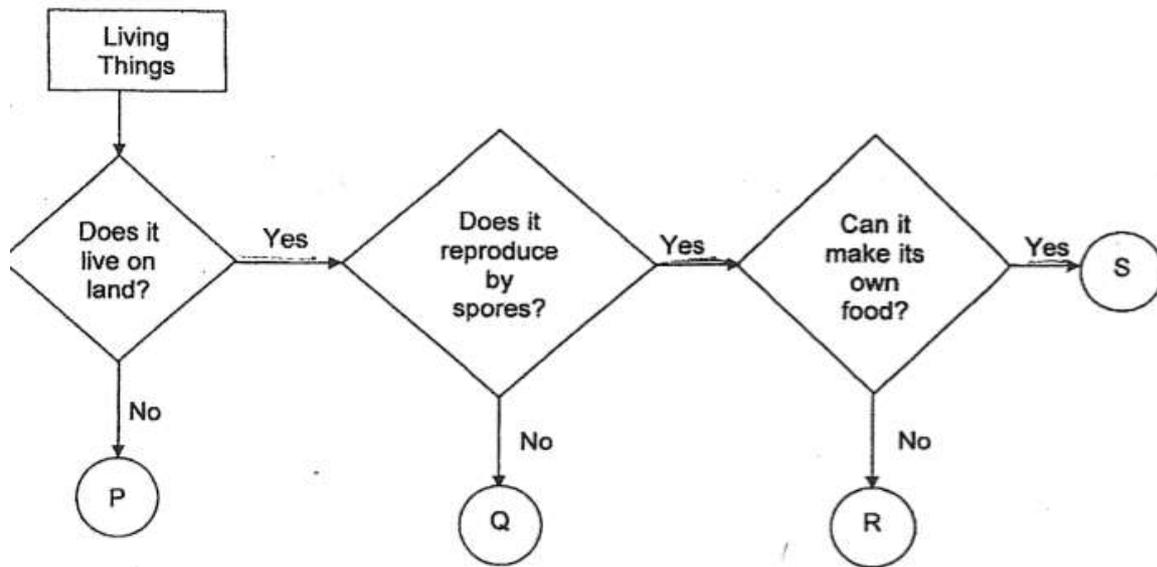
**Animal B**

Based on your observation of the two animals above, state one similarity and one difference in the physical characteristic between them.

(Do not compare size, color and movement.)

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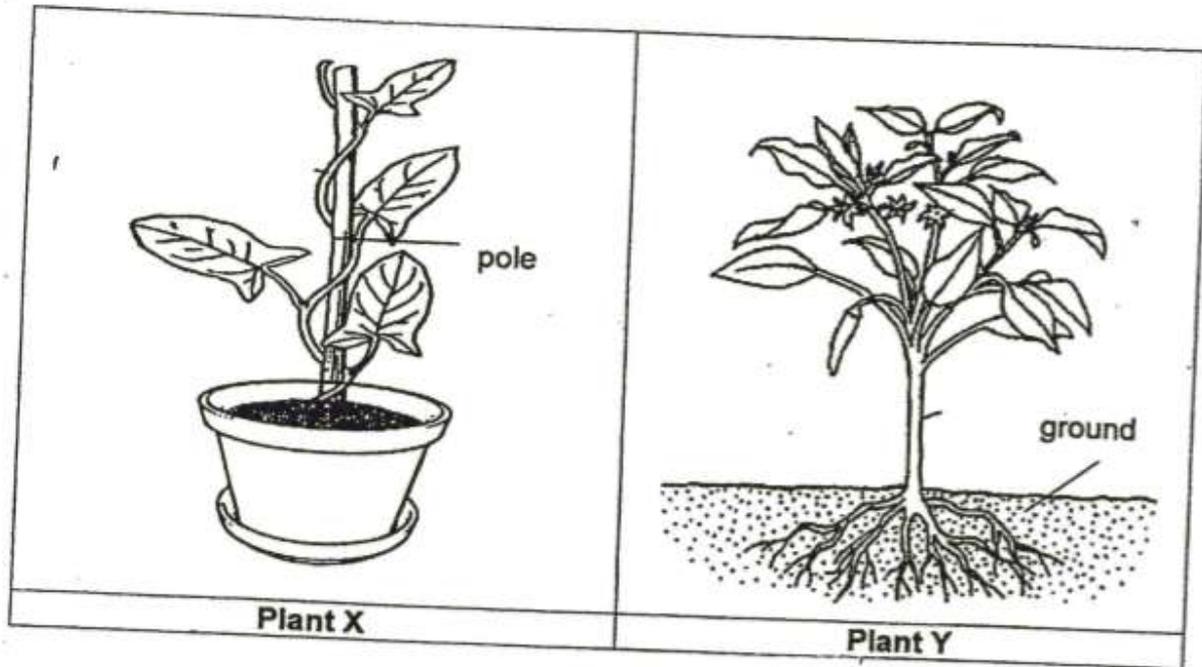
The flow chart below shows how four living things, P, Q, R and S, are being grouped.



Based on the information above, state two characteristics of R.

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Study Plants X and Y as shown below.

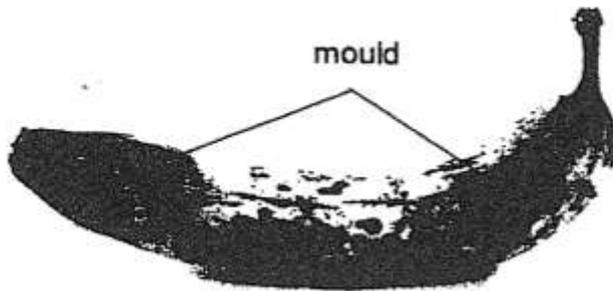


Based on your observations on the plants, state one observable similarity and one difference in the physical characteristics between Plants X and Y.

[Do not compare size and shape.]

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Mdm Tan left a banana in the kitchen for two weeks. She observed black patches on the banana as shown below. She threw the banana as it had turned mouldy.



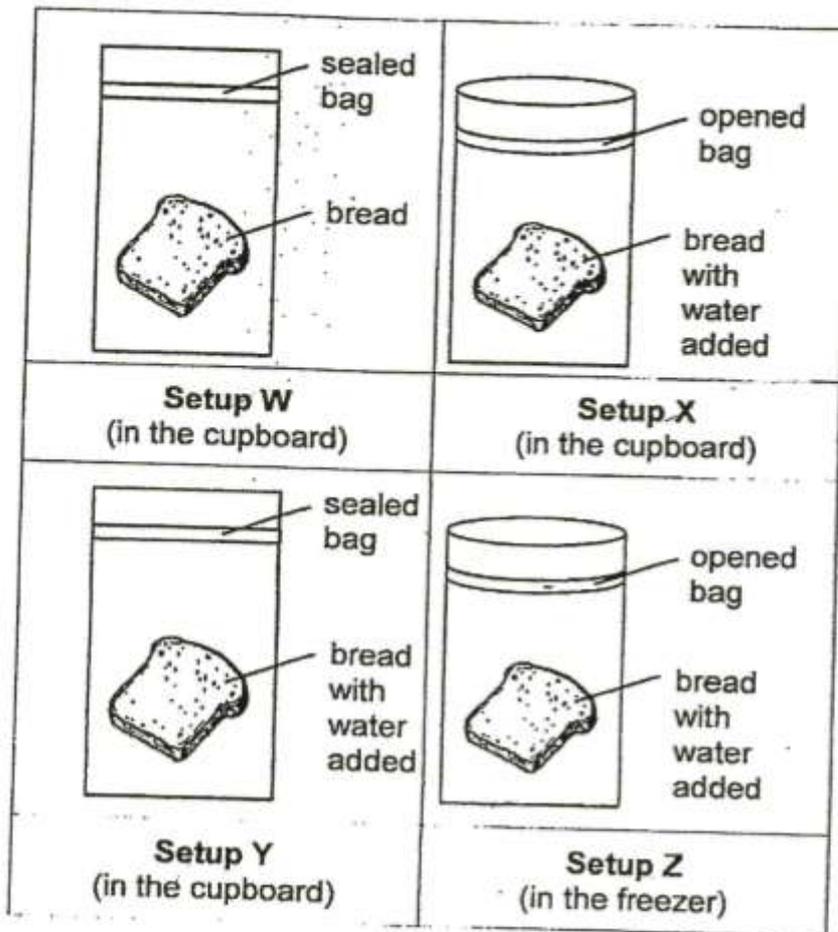
Read the following statements about the characteristics of the moulds found on the banana.

Put a tick against each statement in the boxes below to show if it is true or false about the moulds on the banana.

	Statements	True	False
(a)	They feed on the banana.		
(b)	They reproduce by seeds.		
(c)	They make its own food.		
(d)	They are fungi.		

---

Paul conducted an experiment to find out the conditions needed for bread mould to grow. He placed four similar slices of bread in four identical bags under different conditions as shown below.

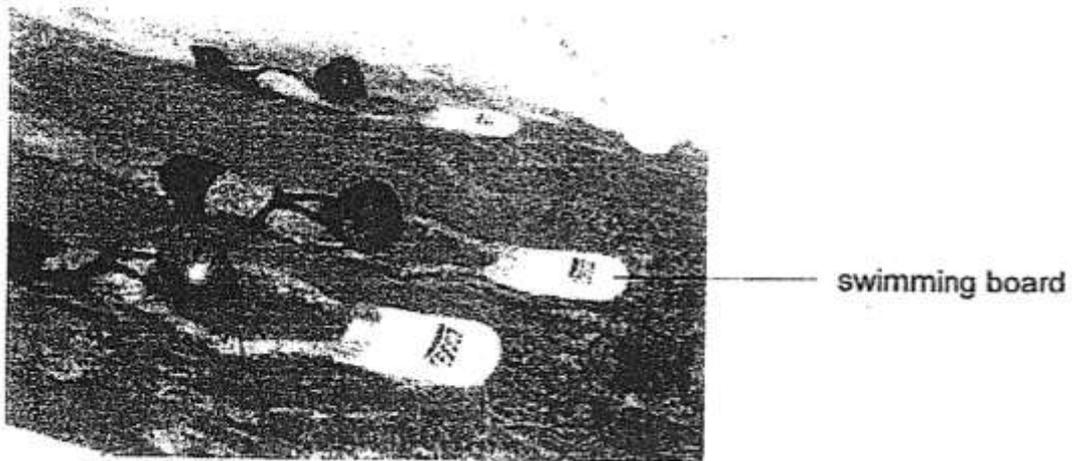


Based on the information above, answer parts (a) and (b).

- (a) To find out if water is needed for bread mould to grow, he should use set-up \_\_\_\_\_ and set-up \_\_\_\_\_ [1]

- (b) To find out if warmth is needed for bread mould to, he should use set-up \_\_\_\_\_ and set-up \_\_\_\_\_ [1]

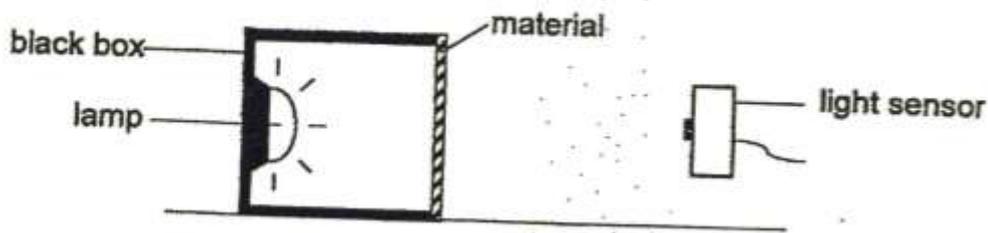
A swimming board is used to help children while they are learning how to swim as shown below.



State two properties of the material that are taken into consideration when it is chosen to make into a swimming board.

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Olivia carried out an experiment to test the degree of transparency of three materials, K, L and M, as shown below.



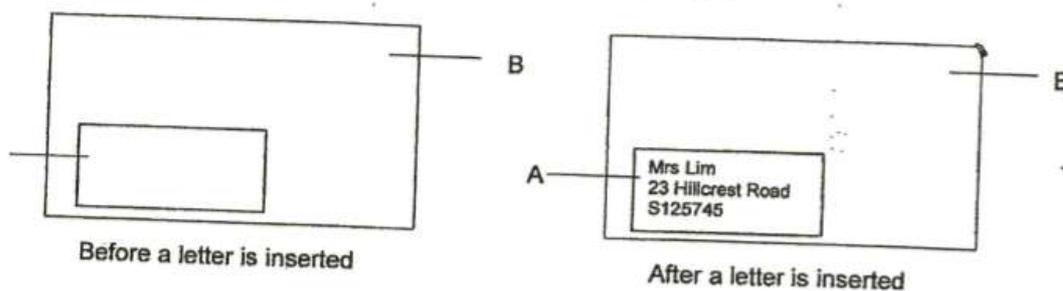
She used a light sensor to measure the amount of light that passed through each material and recorded her results as shown in the table below.

Materials	Amount of light that passes through each material (units)
K	300
L	0
M	250

Olivia wanted to select suitable materials to make an envelope as shown below. The use of each parts, A and B, is provided below:

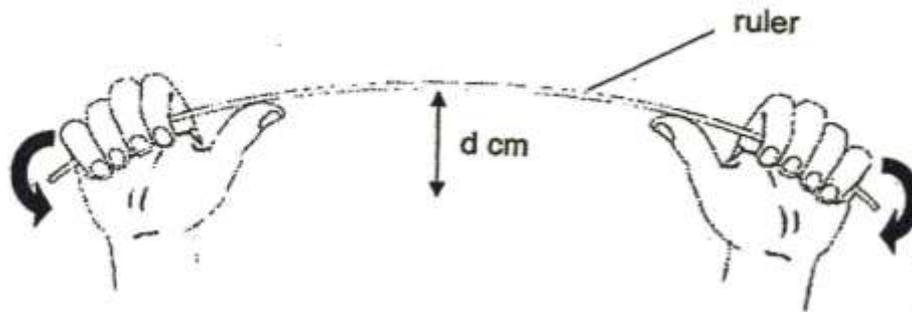
A: To be able to see the address of the receiver

B: To not allow anyone to see the content of the letter



Which of material, K, L or M, is most suitable to make Part A and B of the envelope? Give a reason for your answer.

Cindy had three strips of materials X, Y and Z. She measured the maximum distance,  $d$  cm, each strip could bend.



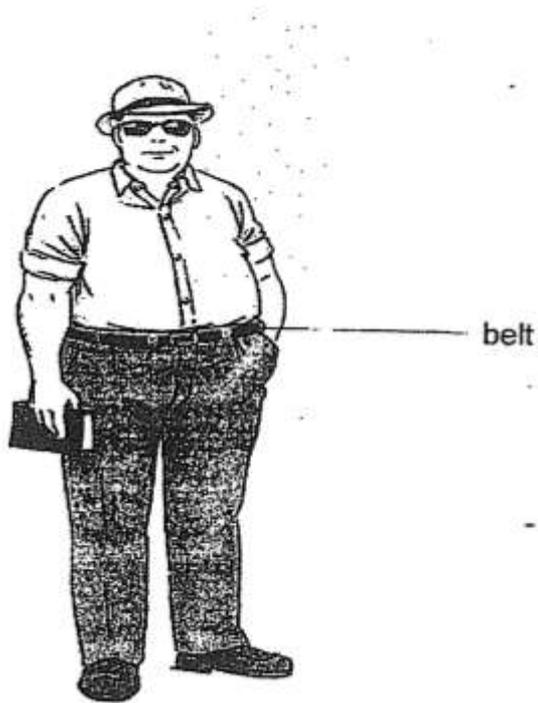
Sh recorded the results as shown in the table below.

Material	Distance $d$ (cm)
X	20
Y	1
Z	5

Based on the observations, rank the materials, X, Y and Z, starting from the material that is the most flexible.

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Mr Tan wears a belt around his waist to support the loose trousers as shown in the diagram below.



With reference to the previous question, which material, X, Y or Z, is most suitable to be used to make a belt? Give a reason for your answer.

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