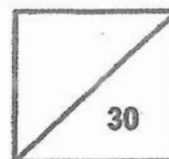


Red Swastika School  
Primary 3 Science 2021  
Class Test 1



Name: \_\_\_\_\_ ( ) Parent's Signature: \_\_\_\_\_

Class: Pr. 3 \_\_\_\_\_ Date: \_\_\_\_\_

**Section A: Multiple-Choice Questions (9 x 2 = 18 marks)**

Choose the most suitable answer and write its number in the brackets provided.

1. Which of the following statements is true?

All animals \_\_\_\_\_

- (1) can fly
- (2) lay eggs
- (3) can walk
- (4) can reproduce

( )

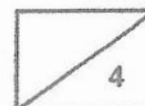
2. Look at the table below.

Living things	Non-living things
tiger	spider
rose plant	doll

Which item is grouped wrongly?

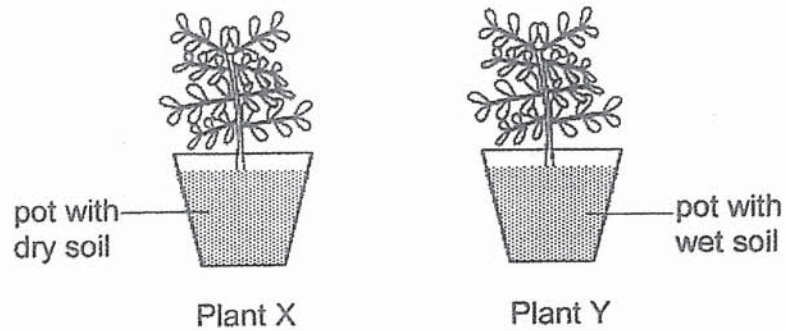
- (1) doll
- (2) tiger
- (3) spider
- (4) rose plant

( )





3. Mary placed two similar pots of plants, X and Y, in a school garden for a few days. She watered Plant Y daily but not Plant X.



After some time, she observed that Plant X died but Plant Y grew well and taller. She concluded that plants need \_\_\_\_\_ to live.

- (1) air
- (2) food
- (3) light
- (4) water

( )

4. Which of the following is a non-living thing?

(1)



tree

(2)



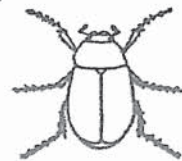
car

(3)



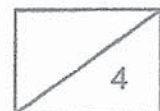
mushroom

(4)



beetle

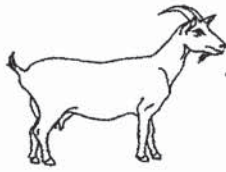
( )



5. Study the four animals below.



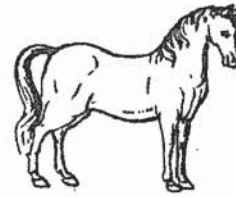
dog



goat



lizard



horse

Which animal does not belong to the same animal group as the others?

- (1) dog
- (2) goat
- (3) lizard
- (4) horse

(     )

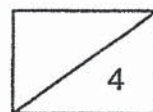
6. The table below shows the characteristics of four animals. A tick (✓) means the animal has the characteristics.

Animal	Has legs	Has feathers	Lives in water
A	✓	✓	
B			✓
C	✓		
D	✓		✓

Which animal, A, B, C or D, represents a pigeon?

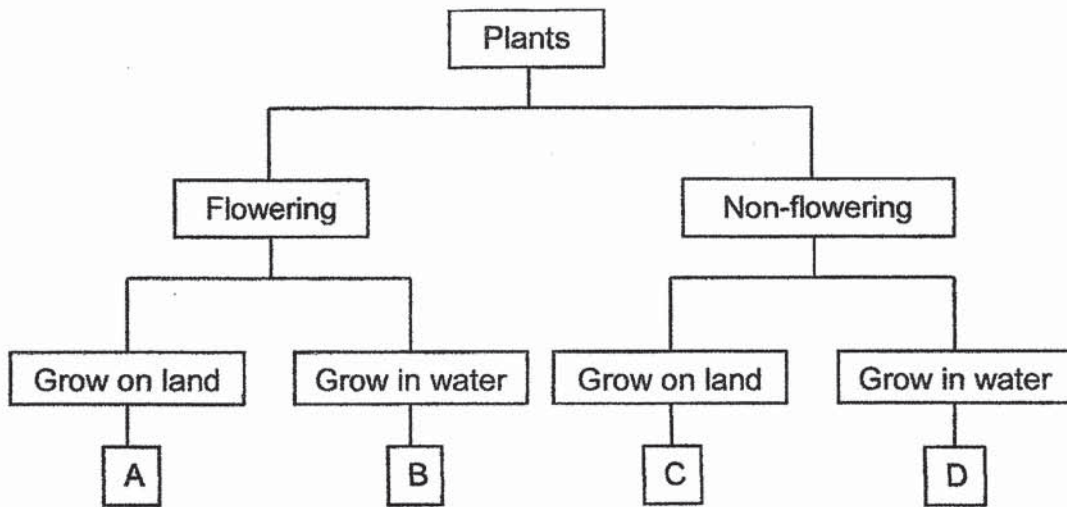
- (1) A
- (2) B
- (3) C
- (4) D

(     )

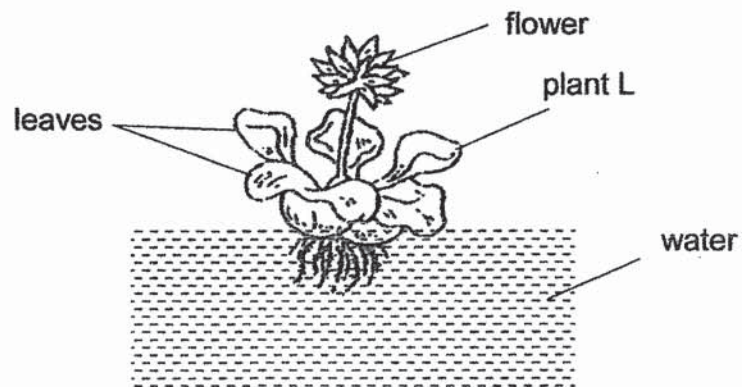




9. Study the classification chart below.



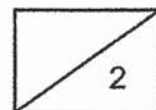
The diagram below shows plant L.



In which group, A, B, C or D, would plant L belong to?

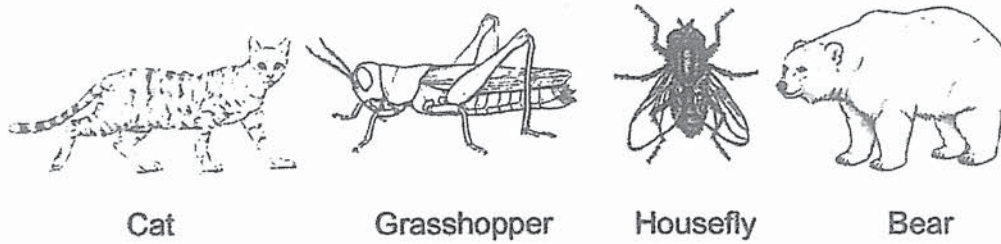
- (1) A
- (2) B
- (3) C
- (4) D

( )

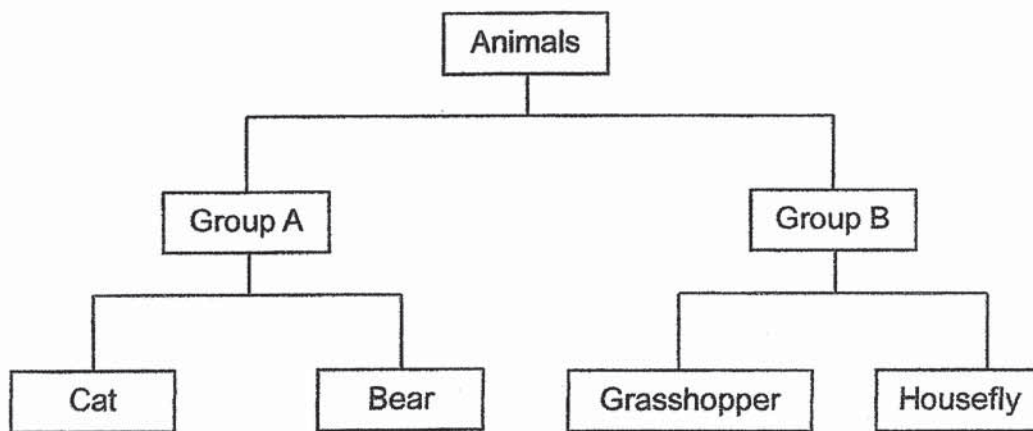


**Section B: Open-ended Questions (3 Questions – 12 marks)**

10. The diagram below shows different animals.



Kasim classified the animals into two groups.



(a) Identify the group of animals in Groups A and B. [2]

Group A: \_\_\_\_\_

Group B: \_\_\_\_\_

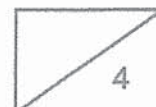
(b) Which group, A or B, could Kasim classify a cow in? [1]

\_\_\_\_\_

(c) State a difference in the way animals in Groups A and B reproduce. [1]

\_\_\_\_\_

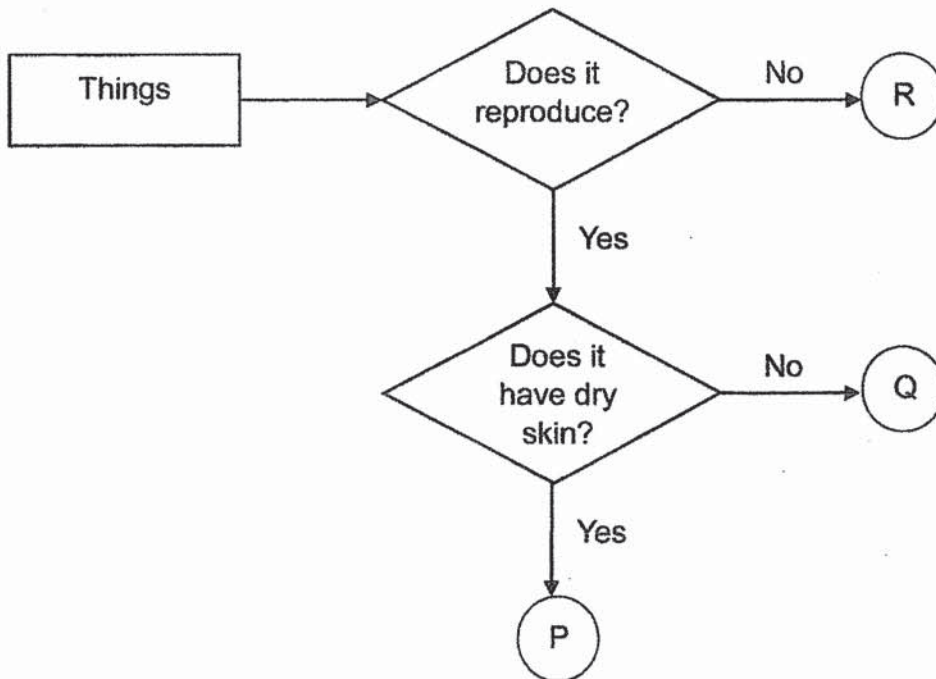
\_\_\_\_\_



11. At the zoo, Sheila listed what she saw in the box shown below.

- Amphibian
- Reptile
- Bench

She then drew a flow chart of what she saw at the zoo, as seen below.



(a) Based on the information in the flow chart, describe the characteristics of P. [2]

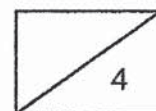
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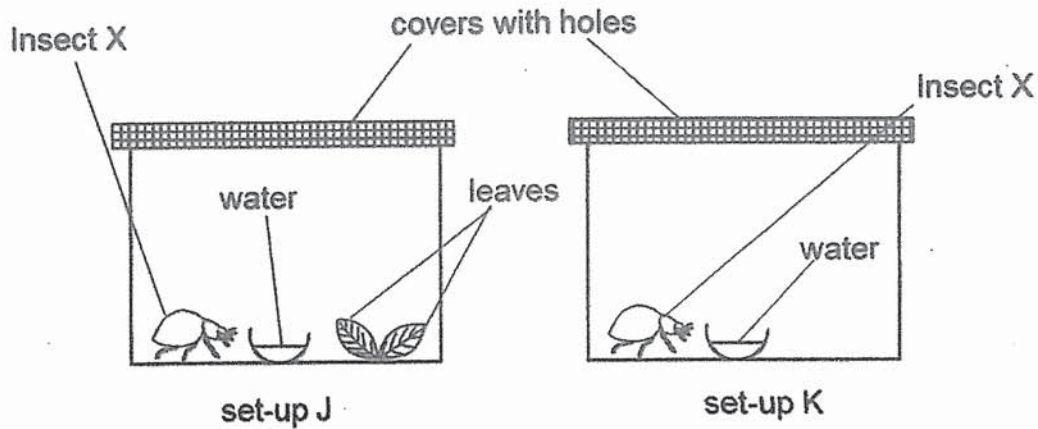
(b) Complete the following by writing P, Q or R in the correct spaces provided. [2]

Bench: \_\_\_\_\_

Amphibian: \_\_\_\_\_



12. Peter kept two similar Insect X in set-ups J and K as shown in the diagram below.



(a) Based on the diagram, identify one similarity between set-up J and set-up K. (Do not mention Insect X). [1]

---



---

(b) Peter changed the cover in set-up K to a cover with no holes. What would happen to Insect X in set-up K after one week? [1]

---

(c) Explain your answer in (b).

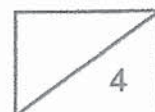
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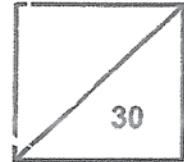
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(d) After some time, insect X in set-up J laid some eggs in the container. Which characteristic of living things does this show? [1]

---







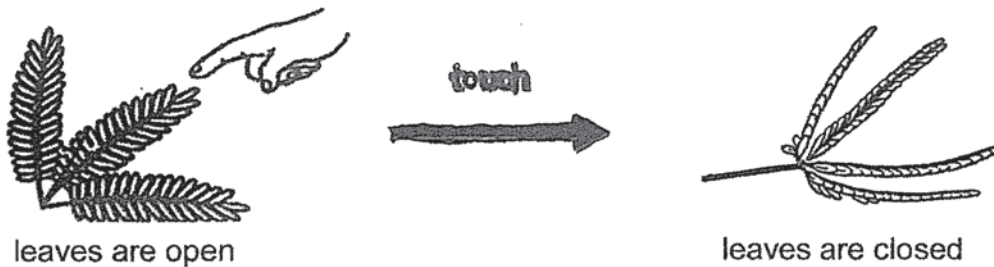
Name: \_\_\_\_\_ ( ) Parent's Signature: \_\_\_\_\_

Class: Pr. 3 \_\_\_\_\_ Date: \_\_\_\_\_

**Section A: Multiple-Choice Questions (9 x 2 = 18 marks)**

Choose the most suitable answer and write its number in the brackets provided.

1. Observe the following picture.



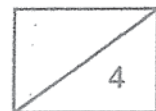
What characteristic of living things is shown by the picture above?

- (1) Living things can die.
- (2) Living things can grow.
- (3) Living things can move from place to place.
- (4) Living things respond to changes around them. ( )

2. Which of the following is true about plants?

All plants \_\_\_\_\_.

- (1) have flowers
- (2) grow on land
- (3) can make their own food
- (4) have leaves that are green in colour ( )



3. Which characteristic(s) of all mammals is/are true?

A: Have four legs

B: Produce milk to feed the young

C: Have hair as outer body covering

(1) B only

(2) C only

(3) A and C only

(4) B and C only

( )

4. The diagram below shows a picture of a mushroom.



The table below shows the characteristics of four organisms. A tick (✓) in the box shows the characteristics the organism has.

Organism	Reproduce by spores	Makes its own food	Responds to changes
A			✓
B	✓		✓
C		✓	✓
D	✓	✓	✓

Which organism, A, B, C or D, represents a mushroom?

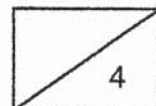
(1) A

(2) B

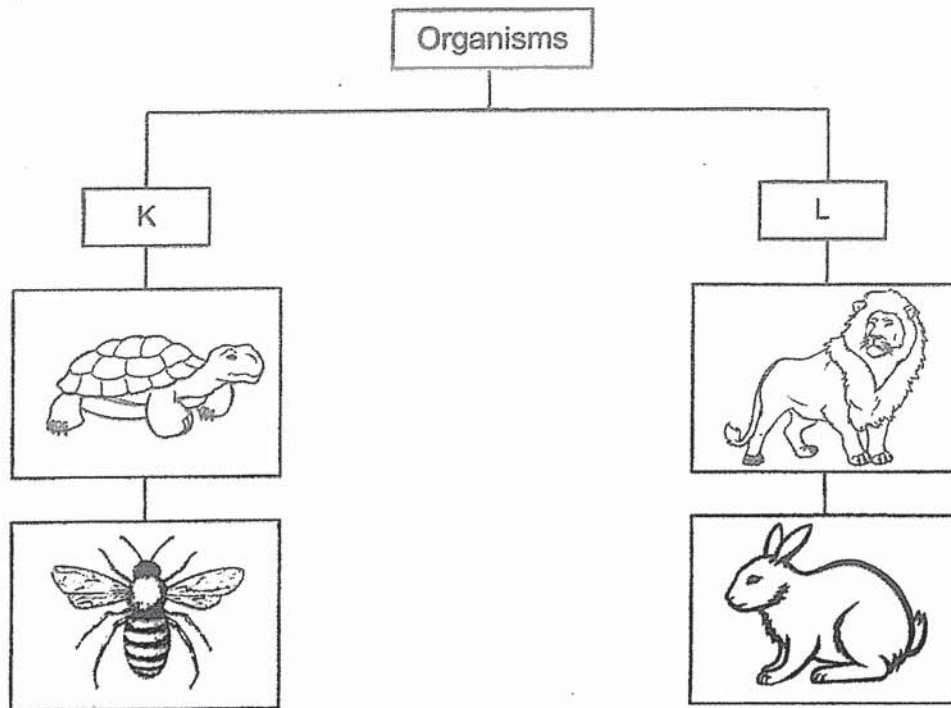
(3) C

(4) D

( )



5. Study the classification chart below.

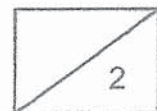


How are the animals grouped?

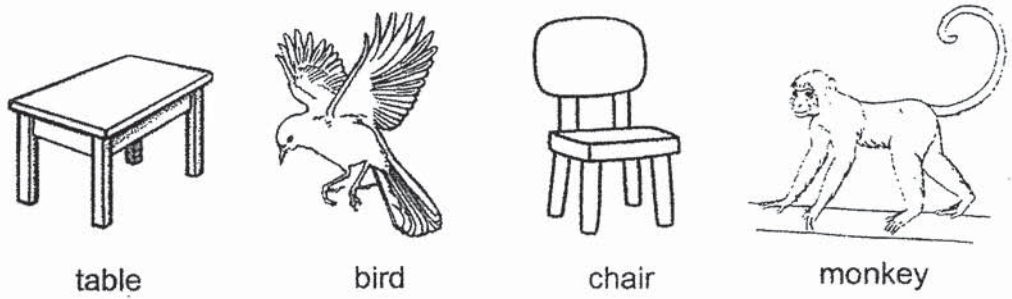
The animals are grouped according to \_\_\_\_\_.

- (1) what they eat
- (2) the way they move
- (3) the way they reproduce
- (4) number of legs that they have

( )



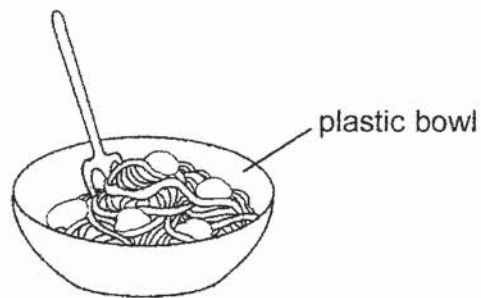
6. The diagrams below show four different items.



Selvy wanted to classify the four items into two groups equally. Which of the following is not a suitable heading to group them?

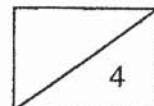
	Heading for Group A	Heading for Group B	
(1)	Have four legs	Have two legs	
(2)	Able to grow	Not able to grow	
(3)	Can reproduce	Cannot reproduce	
(4)	Respond to changes	Do not respond to changes	(     )

7. Ali observed that the bowls in the school canteen are made of plastic.



Which one of the following properties explain why plastic is suitable?

- (1) Plastic is flexible.
- (2) Plastic is not waterproof.
- (3) Plastic does not break easily.
- (4) Plastic does not allow light to pass through.                      (     )



8. The table below shows the properties of materials A, B, C and D.

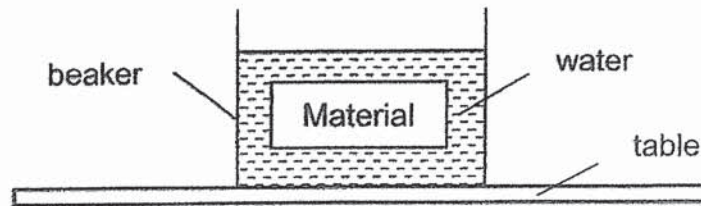
Material	Breaks easily	Heavy	Waterproof
A	No	Yes	No
B	No	No	Yes
C	Yes	No	Yes
D	Yes	Yes	No

Which of the materials, A, B, C or D, is most suitable to make a file?

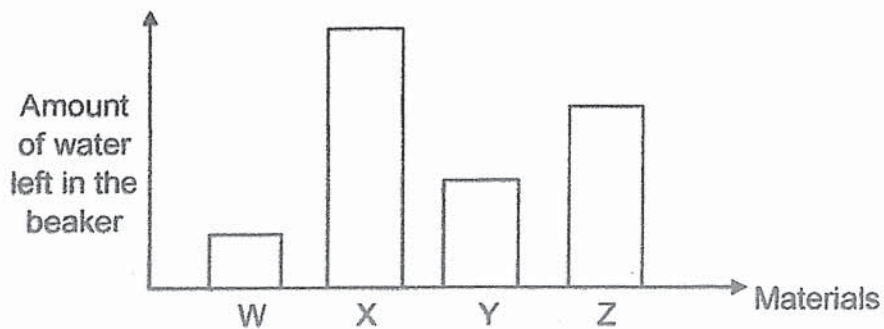
- (1) A
- (2) B
- (3) C
- (4) D

( )

9. Four materials, W, X, Y and Z, had the same weight and size. The materials were placed into four beakers of water, which contained the same amount of water, at the same time. An example is shown in the diagram below.



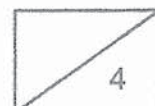
After 30 minutes, the materials were taken out of the water and the amount of water left in the beaker was measured. The graph below shows the results.



Which of the materials, W, X, Y or Z, is most suitable to make a towel?

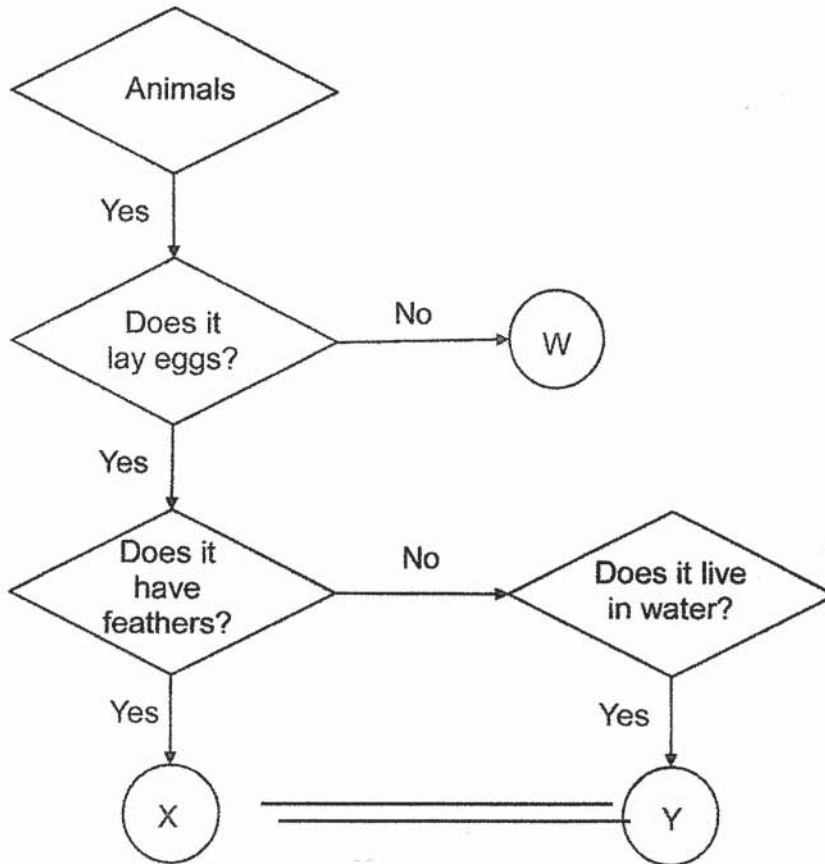
- (1) W
- (2) X
- (3) Y
- (4) Z

( )



**Section B: Open-ended Questions (3 Questions – 12 marks)**

10. Study the flow chart below.



(a) Write the letter W, X or Y that represent the animals in the table below. (2m)

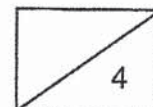
Animal	Letter
Bat	
Chicken	

(b) Based on the information in the flow chart above, describe two characteristics of animal Y. (2m)

---



---



11. In an experiment, Janet kept four slices of cake P, Q, R and S under different conditions. A tick (✓) indicates the presence of the condition.

Cake	Conditions	
	Presence of moisture	Presence of light
P		✓
Q		
R	✓	✓
S	✓	

After two weeks, Janet counted the number of patches of mould on the four slices of cake. She recorded the results in the table below.

Cake	Number of patches of mould
P	0
Q	2
R	8
S	14

- (a) Based on the results, state the best conditions for mould to grow. (1m)

---

- (b) In the experiment above, how does the mould get its food? (1m)

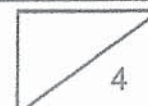
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- (c) How does mould reproduce? (1m)

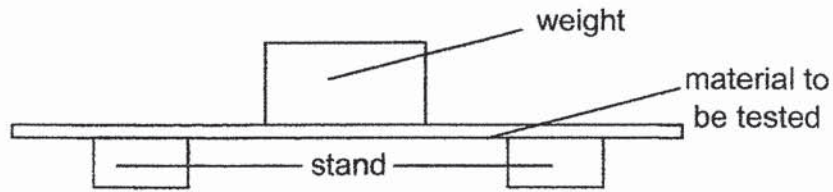
---

- (d) Janet wants to find out if mould grows faster on a cake or a bread. In the table below, indicate with a tick (✓) the variable(s) that she must keep the same so that she can ensure a fair test. (1m)

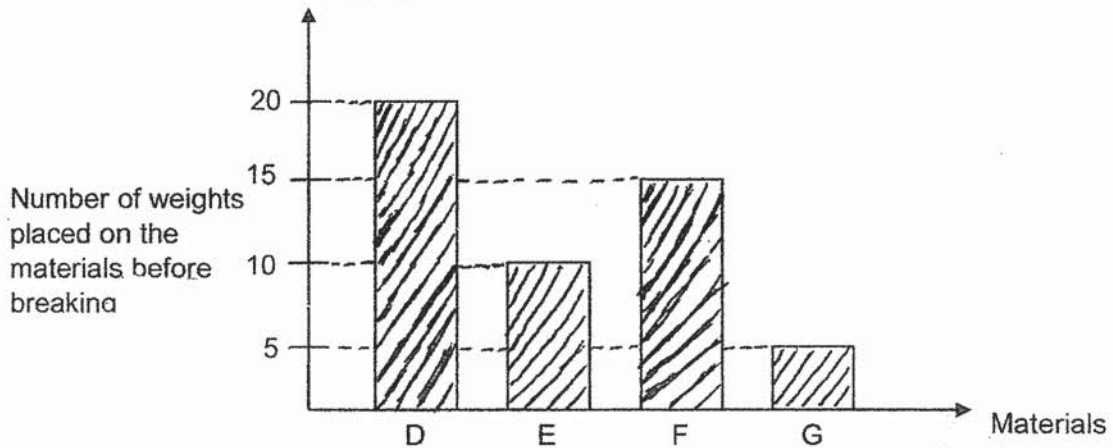
Variables	Keep the same
Type of food	
Amount of moisture present	
Temperature of the surrounding	



12. Four materials, D, E, F and G, had the same mass and size. Ian placed similar weights, one at a time, on each piece of material ~~until it broke~~.



He repeated the experiment by adding more weights until the material broke. His results are shown in the graph below.



- (a) Based on the experiment, name the property of the material that Ian was testing. (1m)

---

- (b) Based on the information in the graph, arrange the materials, D, E, F and G, starting from the strongest to the weakest. (1m)

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
 (strongest) (weakest)

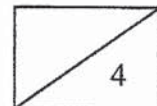
- (c) Based on Ian's experiment, which material, D, E, F or G, is the most suitable to make a plastic bag to carry heavy objects. Explain why. (2m)

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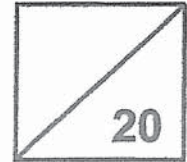


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**End of paper**  
**Please check your answers**








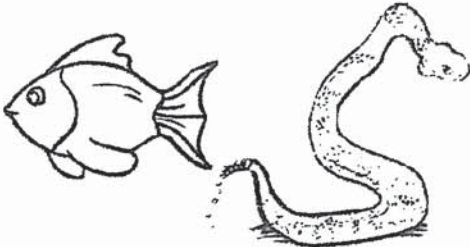
Name: \_\_\_\_\_ (    ) \_\_\_\_\_

Class: Pr 3 \_\_\_\_\_ Date: \_\_\_\_\_

**Section A: Multiple-Choice Questions (7 x 2 = 14 marks)**

Choose the most suitable answer and write its number in the brackets provided.

1. Some animals are placed into two groups as shown below.

A	B
	

Which of the following could be the headings for the table?

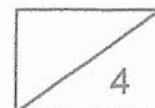
	A	B
(1)	can fly	cannot fly
(2)	have legs	do not have legs
(3)	have eyes	do not have eyes
(4)	have wings	do not have wings

(    )

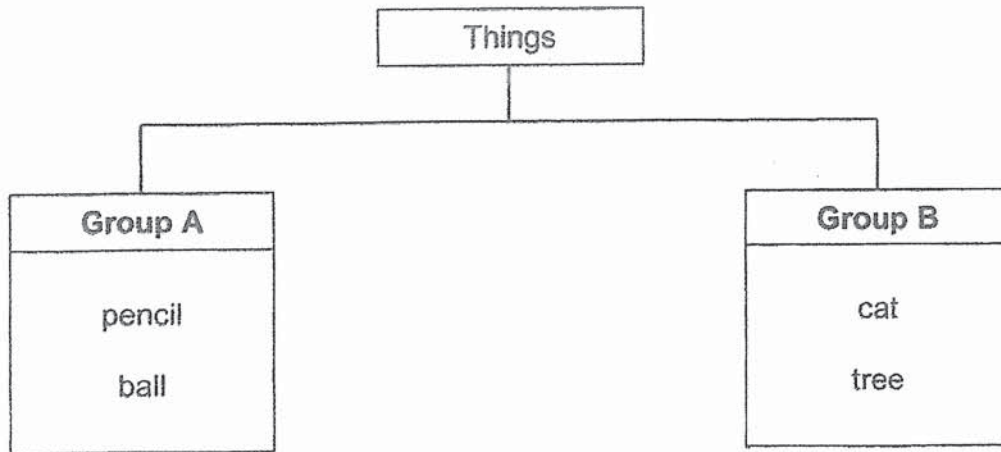
2. Which of the following is true of all plants?

- (1) All plants can reproduce.
- (2) All plants have green leaves.
- (3) All plants have strong stems.
- (4) All plants can produce flowers.

(    )



3. The classification chart below shows how some things are grouped.



Which of the following things can be classified under Group A and Group B?

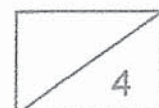
	Group A	Group B
(1)	ruler	cookie
(2)	cup	plate
(3)	bird	fish
(4)	stone	bird

( )

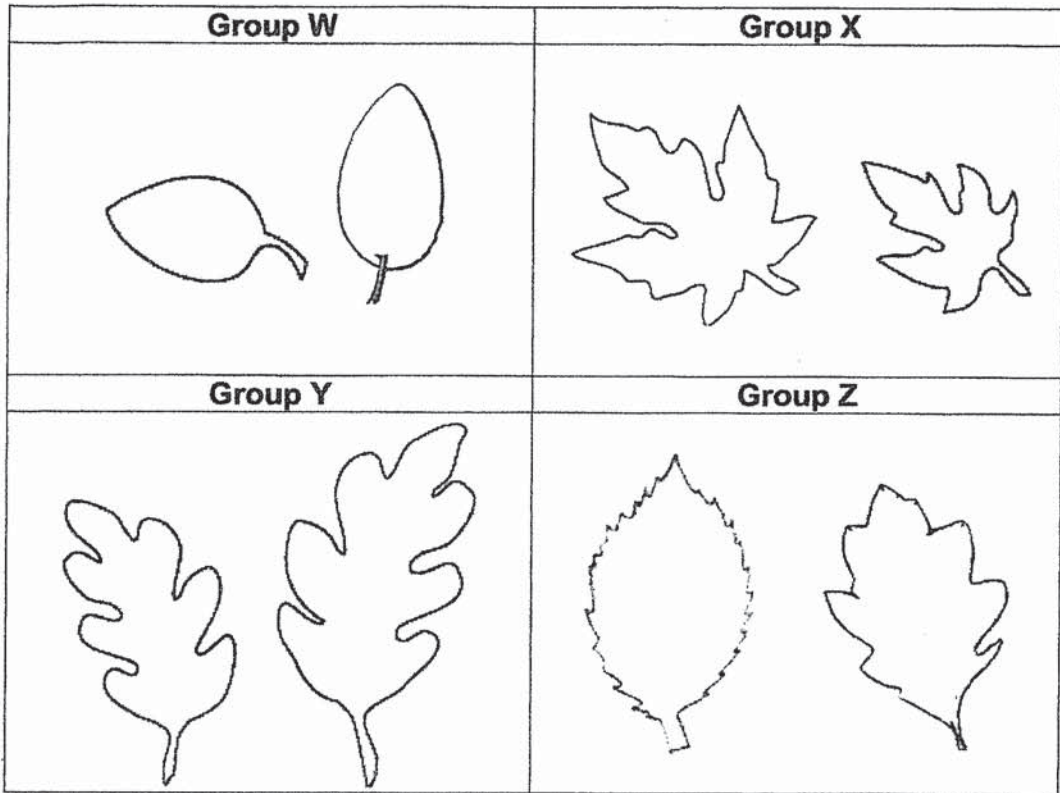
4. Which of the following correctly states the difference between flowering and non-flowering plants?

	Flowering plants	Non-flowering plants
(1)	have roots	do not have roots
(2)	have stems	do not have stems
(3)	can bear fruits	cannot bear fruits
(4)	can reproduce	cannot reproduce

( )



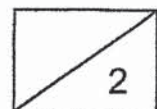
5. Siti grouped some leaves into four different groups as shown below.




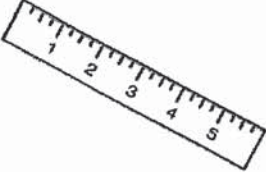


Which group has a leaf that has been grouped wrongly?

- (1) Group W
- (2) Group X
- (3) Group Y
- (4) Group Z

( )



6. Study the two groups of things shown in the table below.

Group X	Group Y
 <p data-bbox="592 577 660 611">bowl</p>  <p data-bbox="592 936 660 969">ruler</p>	 <p data-bbox="991 577 1098 611">monkey</p>  <p data-bbox="1002 936 1070 969">plant</p>

John made a few statements about the things in Group X and Group Y.

A: Group X can grow.

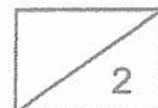
B: Group Y can reproduce.

C: Both Group X and Group Y need air, food and water to survive.

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

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

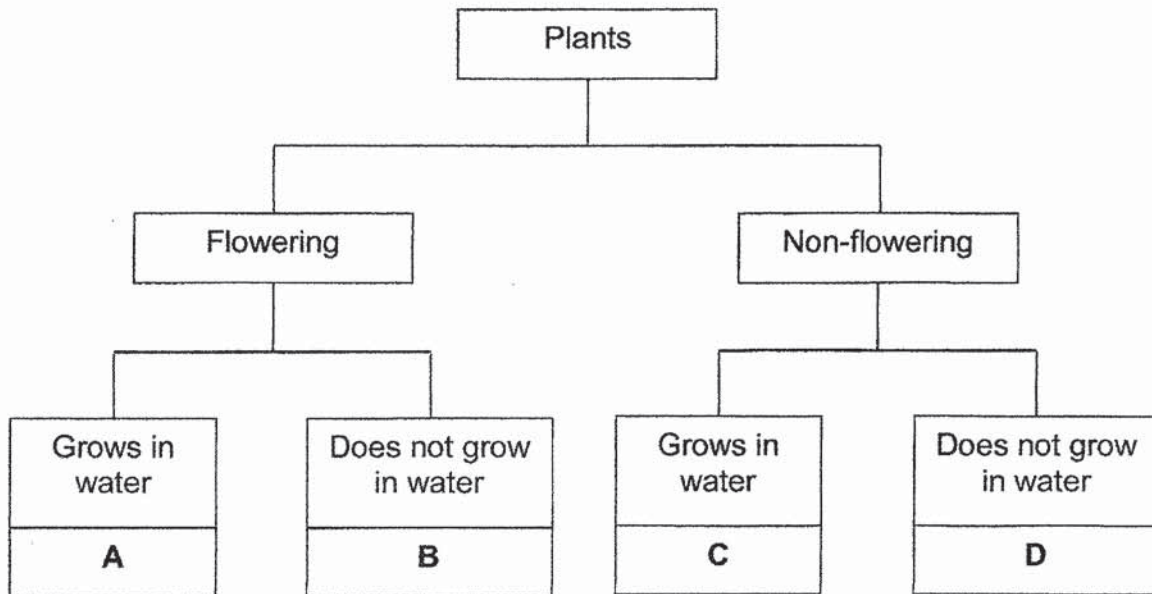
( )



7. The table below contains some information about Plant X and Plant Y.

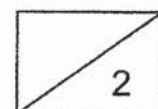
Characteristics	Plant X	Plant Y
Bears flowers	✓	×
Grows on land	×	✓

From the information given in the table above, where would you classify plants X and Y in the following chart?



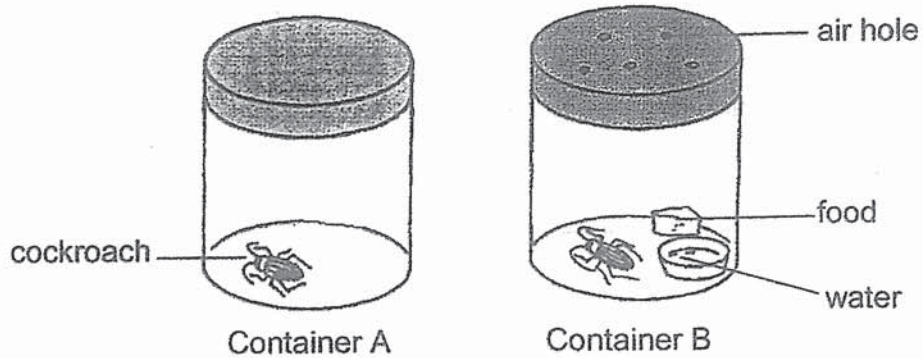
	Plant X	Plant Y
(1)	A	C
(2)	A	D
(3)	B	C
(4)	B	D

( )



**Section B: Open-ended Questions (2 Questions – 6 marks)**

8. Two cockroaches are kept in similar containers for a few days.



(a) In which container, A or B, will the cockroach survive longer? (1m)

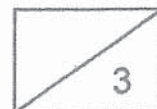
\_\_\_\_\_

(b) Explain your answer for part (a). (1m)

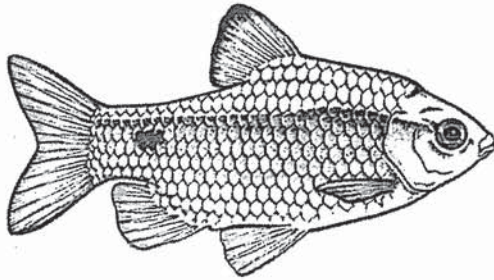
\_\_\_\_\_  
\_\_\_\_\_

(c) A student taps on container A and he observes the cockroach moving. Which characteristic of living things is shown by the cockroach? (1m)

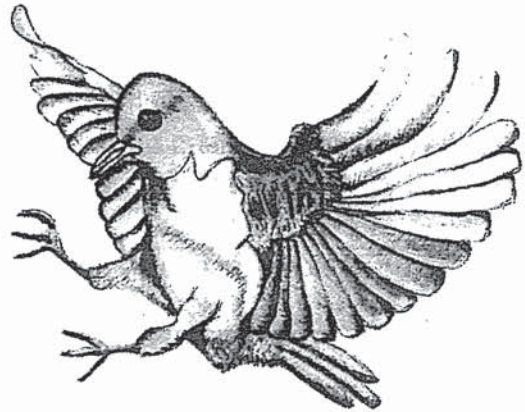
\_\_\_\_\_  
\_\_\_\_\_



9. (a) Study the diagrams below carefully.



Animal A



Animal B

**Based on the diagrams above, state two observable differences between the physical characteristics of animals A and B.**

(Do not compare sizes, shapes and colours)

(2m)

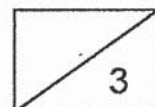
(i) \_\_\_\_\_  
\_\_\_\_\_

(ii) \_\_\_\_\_  
\_\_\_\_\_

(b) State the difference in how Animal A and Animal B breathe?

(1m)

\_\_\_\_\_  
\_\_\_\_\_





## ANSWER KEY

**YEAR : 2021**  
**LEVEL : Primary 3**  
**SCHOOL : Red Swastika School**  
**SUBJECT : SCIENCE**  
**TERM : Class Test 1 & 2, Milestone Check 1**

### Class Test 1

Q1	4	Q2	3	Q3	4	Q4	2	Q5	3
Q6	1	Q7	3	Q8	1	Q9	2		

Q10	<p>(a) Group A : Mammals Group B : Insects</p> <p>(b) Group A</p> <p>(c) Group A reproduce by giving birth to their young alive while B reproduce by laying eggs.</p>
Q11	<p>(a) P reproduce and have dry skin.</p> <p>(b) Bench : R Amphibian : Q</p>
Q12	<p>(a) Both set up J and K have a bowl of water.</p> <p>(b) Insect X will die earlier.</p> <p>(c) There is no air in set up K.</p> <p>(d) This shows living things reproduce.</p>

### Class Test 2

Q1	4	Q2	3	Q3	4	Q4	2	Q5	3
Q6	1	Q7	3	Q8	2	Q9	1		

Q10	<p>(a)</p> <table border="1" style="margin-left: 20px;"> <tr> <td>Bat</td> <td>W</td> </tr> <tr> <td>Chicken</td> <td>X</td> </tr> </table> <p>(b) Y lay eggs and live in water but does not have feathers.</p>	Bat	W	Chicken	X
Bat	W				
Chicken	X				
Q11	<p>(a) Moisture and darkness</p> <p>(b) It gets food from the cake its living on.</p> <p>(c) Mould reproduce by spores.</p> <p>(d) Tick, Amount of moisture present and Temperature of the surrounding.</p>				
Q12	<p>(a) Strength</p> <p>(b) D, F, E, G</p> <p>(c) D, it can withstand the most number of weight without breaking so it is</p>				

most suitable to make a plastic bag.

**Milestone Check 1**

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

Q8	(a) The cockroach in container B will survive longer. (b) The cockroach in container B has food and water as well as more air. (c) It shows that living things responds to changes.
Q9	(a)(i) Animal A has scales while animal B has feathers. (ii) Animal A has no legs while animal B has two legs. (b) Animal A breathe with their gills while animal B breathe through their lungs.