

Name: \_\_\_\_\_ ( )

Class: Primary 3 \_\_\_\_\_

**CHIJ ST NICHOLAS GIRLS' SCHOOL****Primary 3****End Year Assessment****SCIENCE****BOOKLET A****28 October 2025****Total Time for Booklets A and B: 1 hour 30 minutes****24 questions****48 marks**

**Do not open this booklet until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.**

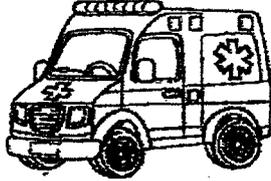
**This booklet consists of 14 printed pages.**



**Section A (24 x 2 = 48 marks)**

For each question from 1 to 24, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct answer (1, 2, 3 or 4) in the Optical Answer Sheet (OAS) provided.

1. The diagram below shows an ambulance.



The ambulance is a non-living thing because it cannot \_\_\_\_\_.

- A grow
- B reproduce
- C respond to changes

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

2. Which of the following statements is/are true of all living things?

- A They go through a life cycle.
- B They need air, food and water.
- C They grow better in warm places.
- D They can move from place to place.

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

3. Leslie watered two similar plants X and Y with the same amount of water. Plant X was placed near a window and plant Y was placed in a dark room. After a week, he observed that plant X remained healthy while plant Y died.



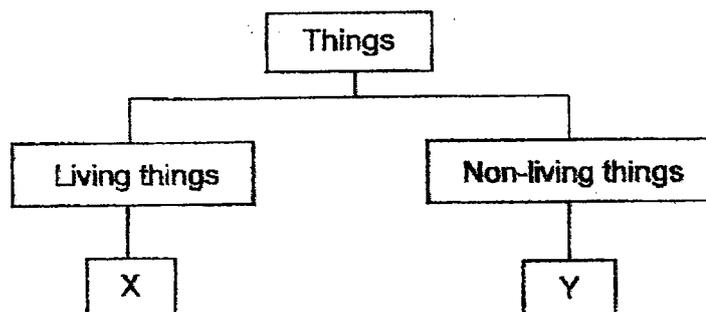
plant X



plant Y

What can Leslie conclude from his experiment?

- (1) Plants need water to stay alive.
  - (2) Only plant Y does not grow well in soil.
  - (3) Only plant Y does not respond to changes.
  - (4) Plants need sunlight to make food to survive.
4. Study the classification chart below.



Which of the following best represents X and Y?

	X	Y
(1)	yeast	water
(2)	ant	yeast
(3)	water	stone
(4)	stone	ant

5. Gabriel classified the following things into two groups A and B.

Group A	Group B
chair	bird
table	plant

Which of the following shows the correct headings for groups A and B?

	Group A	Group B
(1)	can grow	cannot grow
(2)	have four legs	have two legs
(3)	cannot make food	can make food
(4)	cannot respond to changes	can respond to changes

6. Hilda observed that a healthy plant in her garden had no fruits for many years. Which of the following is/are possible explanation(s) for her observation?

- A It reproduces by spores.
- B It does not have leaves.
- C It does not have enough water.
- D The conditions are not right for it to bear flowers.

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

7. Study the diagram below.



Which of the following statement(s) about the moss and the bracket fungi is/are true?

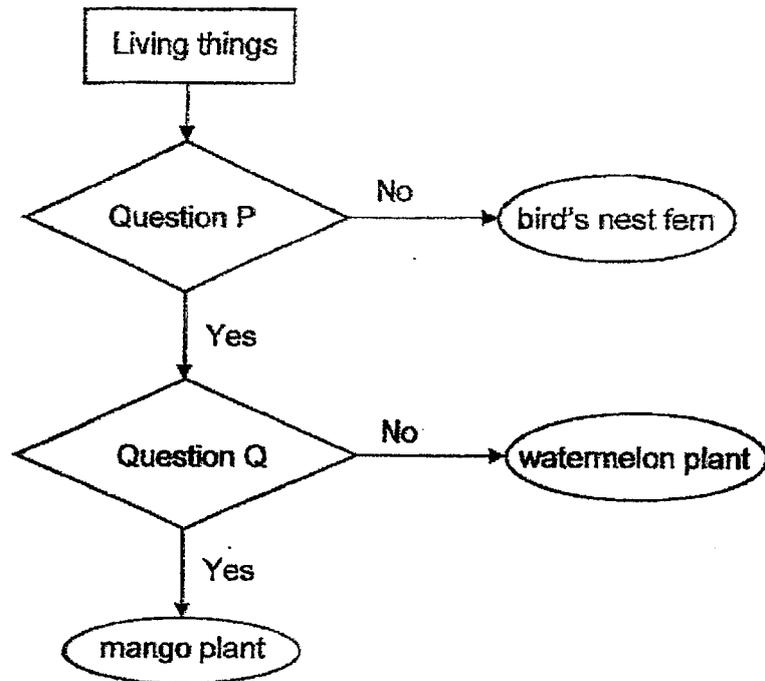
- A The moss gets its food from the wooden log.
- B Only the bracket fungi need light to make food.
- C Both the moss and the bracket fungi reproduce by spores.

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

8. Which of the following statements about amphibians is true?

- (1) They live in water only.
- (2) They have hard outer coverings.
- (3) They give birth to their young alive.
- (4) They can breathe through their lungs and moist skin.

9. Study the flow chart below.



Which of the following best represents questions P and Q?

	Question P	Question Q
(1)	Can it make its own food?	Are its fruits edible?
(2)	Does it bear flowers?	Are its fruits edible?
(3)	Can it make its own food?	Does its fruit have only one seed?
(4)	Does it bear flowers?	Does its fruit have only one seed?

10. Study the diagram below.



animal A



animal B



animal C



animal D

Which of the animals A, B, C or D does not belong to the same animal group?

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

11. Janelle recorded her observations of four animals W, X, Y and Z in the table below. A tick (✓) shows that the animal has the characteristics.

Animal	Characteristics		
	Can swim	Lay eggs	Have hair
W	✓		✓
X			✓
Y	✓	✓	
Z		✓	



Based on the table, which animal W, X, Y or Z best represents a dolphin?

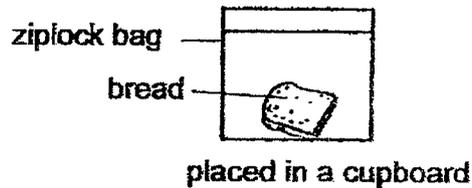
- (1) W
- (2) X
- (3) Y
- (4) Z

12. Which of the following statements about bacteria and mould are correct?

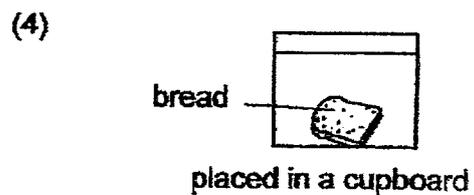
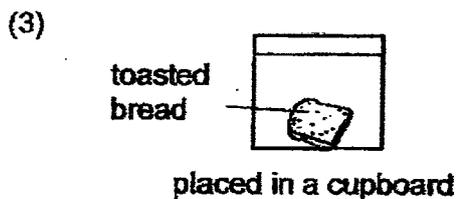
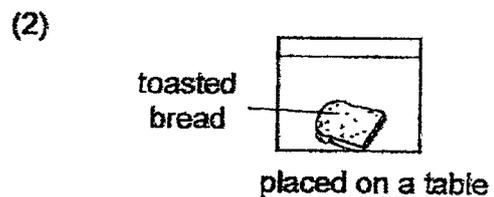
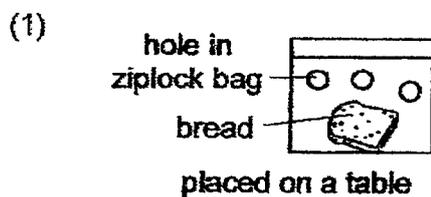
- A Only mould is a fungi.
- B Both are not micro-organisms.
- C Both can be harmful to humans.
- D Only bacteria can respond to changes.

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

13. Joseph wants to find out if mould needs water to grow. He puts a slice of bread in a sealed ziplock bag. He placed the bag in a cupboard as shown below.



Which of the following should he use as his second set-up to ensure a fair test?



14. Which of the following statements about the plant life cycle are true?

- A During germination, the roots appear first.
- B During germination, the fruits appear first.
- C The adult plant has leaves to make its own food.
- D The seed leaf provides food for the young plant.

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

15. Kylie wanted to find out if water is needed for seeds to germinate.

Set-up	Number of seeds	Amount of soil (g)	Amount of water given (ml)
A	3	400	200
B	8	400	400
C	8	400	0
D	8	600	200

Based on the table, which two set-ups should Kylie use for her experiment?

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

16. The diagram below shows the different stages in the life cycle of a cockroach.



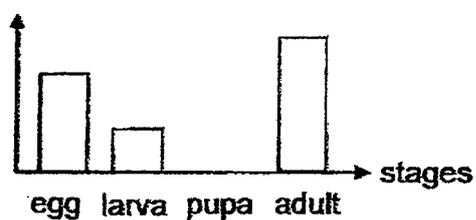
Which of the following statements about the cockroach are true?

- A Only the adult lays eggs.
- B Both the young and the adult can fly.
- C The young moults several times as it grows.
- D The young lives in water but the adult lives on land.

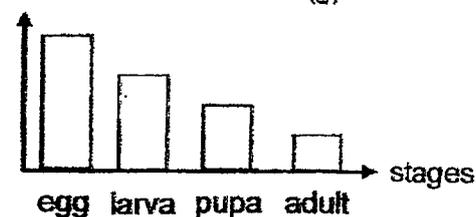
- (1) A and B only
- (2) A and C only
- (3) B and D only
- (4) C and D only

17. Which graph shows the possible amount of food eaten during the different stages in the life cycle of a mealworm beetle?

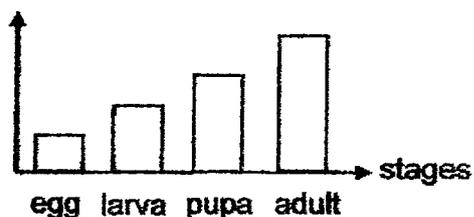
(1) amount of food eaten (g)



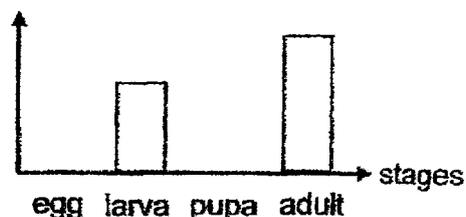
(2) amount of food eaten (g)



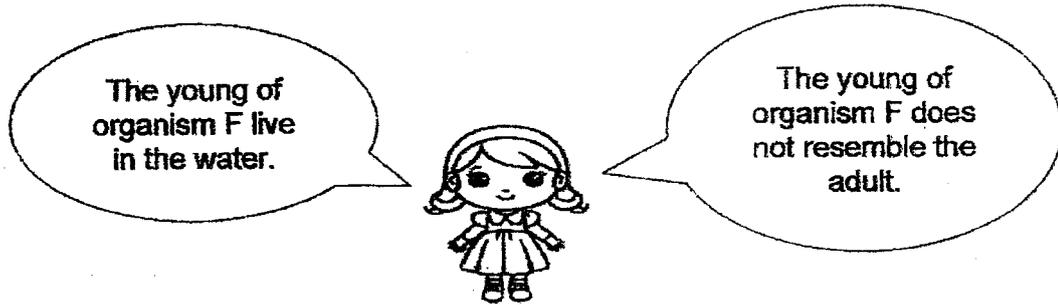
(3) amount of food eaten (g)



(4) amount of food eaten (g)

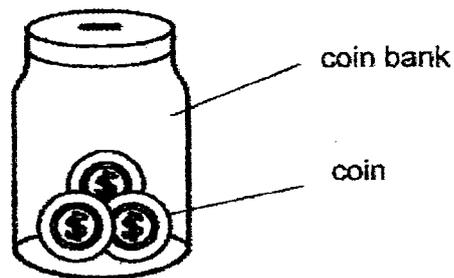


18. Mikayla made the following observations on the life cycle of organism F.



Based on her observations, which of the following best represents organism F?

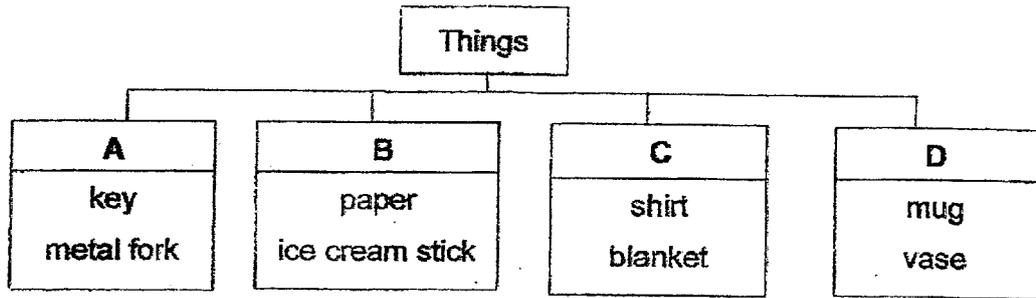
- (1) butterfly
  - (2) mosquito
  - (3) cockroach
  - (4) grasshopper
19. Sandra wants to make a coin bank that does not break easily when dropped. She also wants to be able to see the number of coins inside easily.



Which one of the following materials is most suitable for making the coin bank?

- (1) metal
- (2) ceramic
- (3) clear glass
- (4) clear plastic

20. Sarah grouped some things in the classification chart below.



In which group A, B, C or D should she place an iron nail?

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

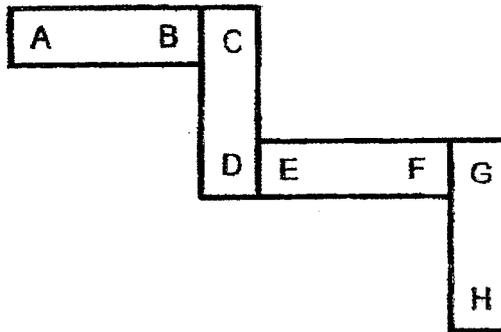
21. The table below shows the characteristics of three objects K, L and M. A tick (✓) shows that the object has the characteristics.

Characteristics	Objects		
	K	L	M
does not break easily	✓		✓
sinks in water		✓	✓
does not allow light to pass through	✓		✓

Which of the following best represents objects K, L and M?

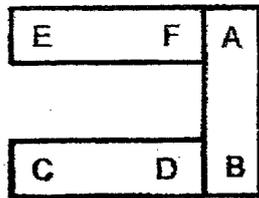
	K	L	M
(1)	wooden spoon	glass cup	iron nail
(2)	wooden toothpicks	iron nail	glass cup
(3)	iron nail	wooden toothpicks	ceramic plate
(4)	ceramic plate	glass cup	wooden spoon

22. Four bar magnets are arranged as shown below.

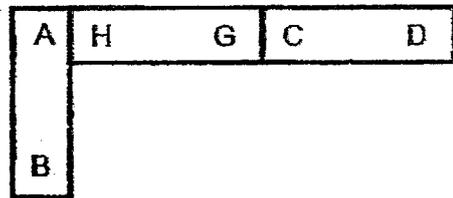


Which one of the following diagrams shows a possible arrangement of the magnets?

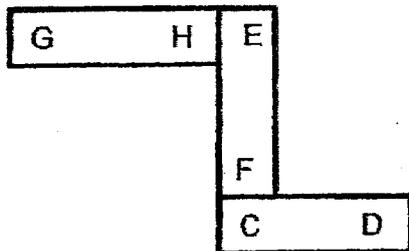
(1)



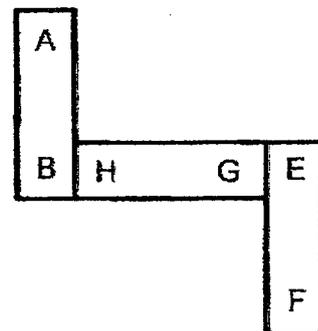
(2)



(3)



(4)

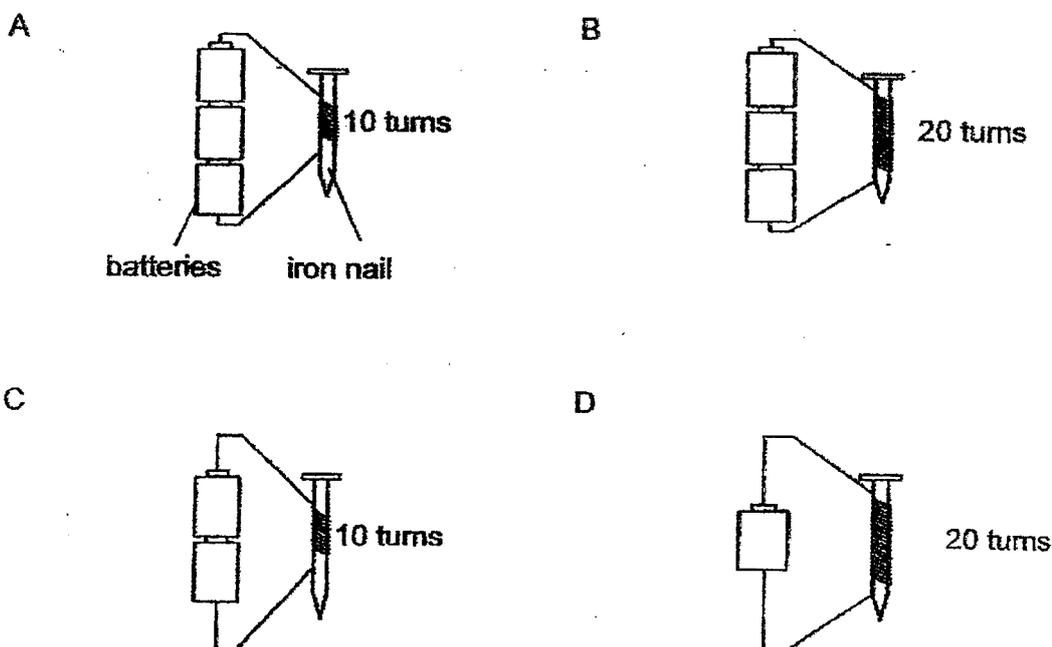


23. Which of the following statements is true of magnets?

- (1) All metals are magnetic materials.
- (2) Like poles of magnets can repel each other.
- (3) Bar magnets have greater magnetic strength than ring magnets.
- (4) A freely suspended magnet comes to rest in the North-east direction.

24. Ali conducted an experiment to find out if the number of turns of wire around the iron nail affects the magnetic strength of an electromagnet.

Which set-ups A, B, C or D should he use to conduct a fair experiment?



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

--- End of Booklet A ---

Name : \_\_\_\_\_ ( )

Class : Primary 3 \_\_\_\_\_

**CHIJ ST NICHOLAS GIRLS' SCHOOL****Primary 3****End Year Assessment****SCIENCE****BOOKLET B****28 October 2025****Total Time for Booklets A and B: 1 hour 30 minutes****10 questions  
32 marks****Do not open this booklet until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.**

<b>Booklet A</b>	<b>48</b>
<b>Booklet B</b>	<b>32</b>
<b>Total</b>	<b>80</b>

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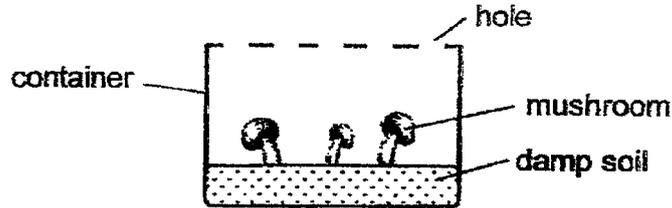
**Parent's Signature/Date**
**This paper consists of 11 printed pages.**

**Section B (32 marks)**

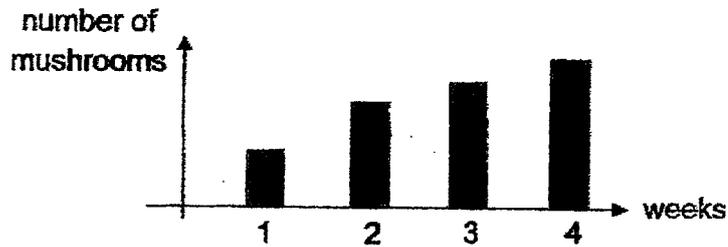
For questions 25 to 34, write your answers in this booklet.

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

25. Study the diagram below. The container was placed in a dark room. Monica counted the number of mushrooms weekly.



She recorded her results in the graph below.



- (a) Based on the graph, state the change in the number of mushrooms over the four weeks. [1]

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- (b) Based on the graph, state the characteristic of living things shown by the mushroom. [1]

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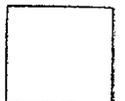
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- (c) Edmund said that the container should be placed in a bright room as mushrooms are plants. Do you agree with him? Explain your answer. [1]

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26. Charlie observed four plants A, B, C and D and recorded his observations in the table below. A tick (✓) shows that the plant has the characteristics.

Plant	Characteristics	
	Grows in water	Reproduces by seeds
A	✓	
B	✓	✓
C		
D		✓

(a) Based on the table above, state two characteristics of plant D.

[1]

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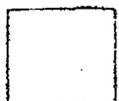
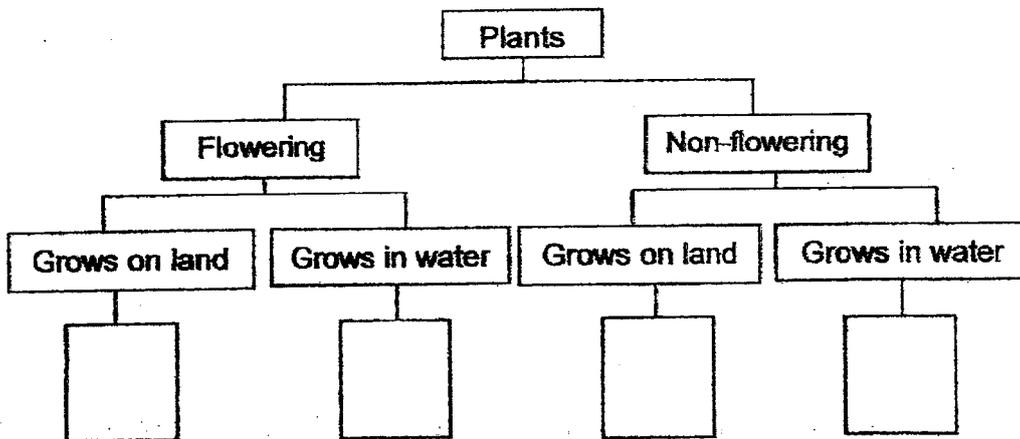
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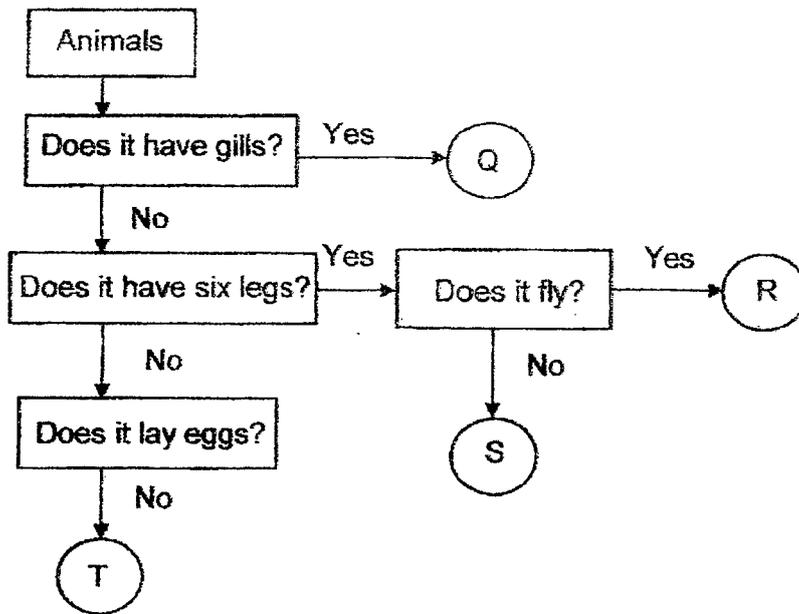
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(b) Based on the table above, classify the plants by writing the letters A, B, C and D in classification chart below.

[2]



27. Study the flow chart below.



(a) Based on the flow chart above, state one difference between animals R and T. [1]

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(b) Based on the flow chart above, state all the characteristics of animal S. [1]

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(c) Study the two animals below.



fish



seal

Based on the flow chart, which animal Q, R, S or T best represents the fish and the seal? Write your answers in the blanks provided below. [2]

Fish: \_\_\_\_\_

Seal: \_\_\_\_\_



28. Annie went to the zoo and saw animal X. She saw it swimming in the water and also moving on land.



animal X



animal Z

(a) Annie thinks that animal X is an amphibian.  
Do you agree with her? Explain why.

[1]

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(b) Name one animal that belongs to the same animal group as animal X.

[1]

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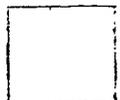
(c) Based on their method of reproduction, state one similarity between animal X and animal Z.

[1]

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29. Bobby bought two fish J and K. He kept fish J in the kitchen and fish K in the freezer. He observed the amount of bacteria on both fish at the start and end of the experiment. He recorded the results of his experiment in the table below.

	Amount of bacteria (units)	
	At the start of the experiment	At the end of the experiment
Fish J	10	290
Fish K	10	15

- (a) Based on his results, is the kitchen or the freezer a more suitable place to keep the fish fresh for a longer time? Explain your answer. [1]

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- (b) Name the instrument that Bobby used to observe the bacteria on the fish. [1]

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- (c) For his experiment to be fair, tick (✓) the variables that he should keep the same. [2]

Variables	Tick (✓)
Type of fish used	
Size of fish J and K	
Surrounding temperature	



30. Chloe wanted to find out the effect of the surrounding temperature on the life cycle of organism X. She recorded her results in the table below.

Surrounding Temperature (°C)	Number of days for one complete life cycle
10	47
15	38
20	?
25	22
30	15

- (a) Based on the graph, how many days would organism X take to complete one life cycle if the surrounding temperature is 20°C? [1]

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- (b) Based on her results, explain how the surrounding temperature affects the length of one complete life cycle of organism X. [1]

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- (c) Chloe observed that organism X lays many eggs at one time. Explain why. [1]

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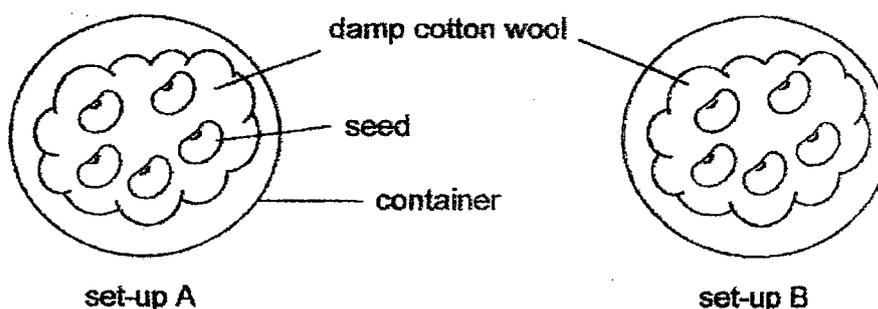
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31. Vera wanted to observe the germination of seeds. She placed five seeds into each of the two set-ups A and B as shown below. She placed set-up A in a dark room and set-up B under a light in a room.



- (a) What is the aim of her experiment? [1]

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- (b) In the table below, tick (✓) the variables that she is measuring for her experiment to be fair. [1]

Variables	Tick (✓)
Number of seeds that germinated	
Type of seeds	
Amount of water added to each set-up	

- (c) Give a reason why Vera placed damp cotton wool into both containers. [1]

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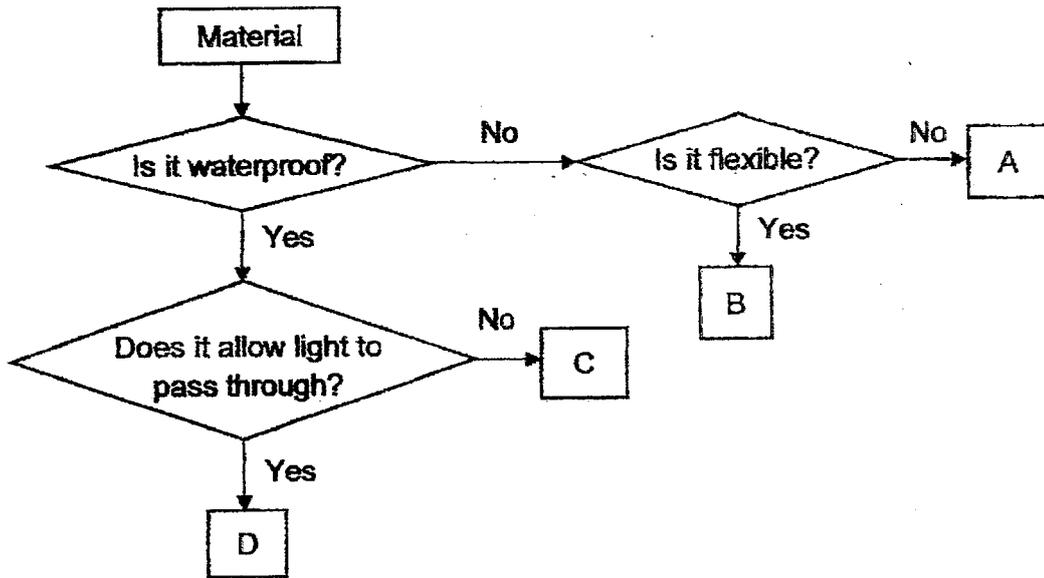
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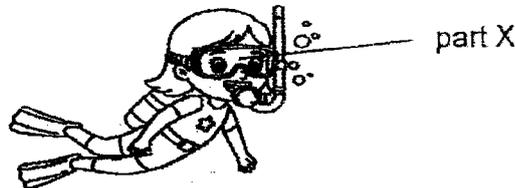
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32. Study the flow chart below.



The diagram shows a snorkelling mask used during underwater activities.



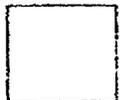
- (a) Based on the flow chart, which material A, B, C or D is most suitable for making part X of the snorkelling mask? [1]

Material: \_\_\_\_\_

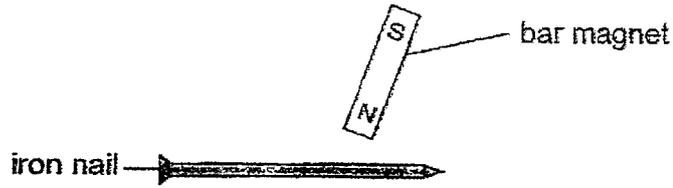
- (b) Based on the flow chart above, give two reasons for your choice in (a). [2]

Reason 1: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Reason 2: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



33. Andy wanted to use a bar magnet to magnetise an iron nail as shown below.



(a) Explain how Andy should stroke the iron nail to magnetise it.

[2]

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Andy stroked the iron nail with the bar magnet and brought it near some steel pins as shown in the diagram below.



He recorded his observations in the table below.

Number of strokes	Number of steel pins attracted
20	4
40	10
60	19

(b) What is the relationship between the number of strokes and the magnetic strength of the iron nail?

[1]

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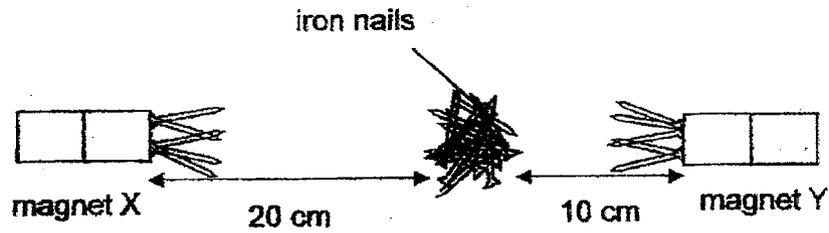
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34. Ryan wanted to find out the magnetic strength of two magnets X and Y. He moved both magnets slowly towards some iron nails. He measured the distance at which five iron nails were attracted to the magnets as shown below.



- (a) Based on the diagram, which magnet X or Y has greater magnetic strength? [1]

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- (b) Explain your answer in (a). [2]

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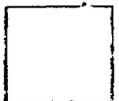


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~ End of Booklet B ~



YEAR : 2025  
 LEVEL : PRIMARY 3  
 SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL  
 SUBJECT : SCIENCE  
 TERM : END OF YEAR EXAMINATION

**(BOOKLET A)**

Q1	4	Q2	3	Q3	4	Q4	1	Q5	4
Q6	2	Q7	2	Q8	4	Q9	4	Q10	3
Q11	1	Q12	2	Q13	3	Q14	3	Q15	3
Q16	2	Q17	4	Q18	2	Q19	4	Q20	1
Q21	1	Q22	3	Q23	2	Q24	1		

**(BOOKLET B)**

Q25	a)	Over the four weeks, the number of mushrooms increased.
	b)	Living things reproduce.
	c)	No, mushrooms are not plants as they reproduce by spores and mushrooms are fungi which need warmth to grow and does not need light because they do not make food.
Q26	a)	D reproduces by seeds and does not grow in water.
	b)	D, B, C, A
Q27	a)	T does not have six legs while R has six legs.
	b)	S does not have gills and has six legs but does not fly.
	c)	Fish : Q Seal : T
Q28	a)	No. Animal X has feathers but amphibians have moist skin.
	b)	Parrot.
	c)	They both reproduce by laying eggs.
Q29	a)	The freezer. The amount of bacteria is less on Fish K at the end of the experiment.
	b)	Microscope
	c)	Type of fish used and Size of fish J and K
Q30	a)	29 days.
	b)	As the surrounding temperature increases, the number of days for one complete life cycle of Organism X decreases.
	c)	It lays many eggs at one time because if some eggs get eaten up by predators, there will still be some eggs and they will hatch and turn into adults to continue the life cycle.
Q31	a)	To find out if light is needed for seed germination.
	b)	Number of seeds that germinated
	c)	For the seed to survive as it needs water to germinate. The damp cotton wool contains water and seeds need water for germination.

Q32	a)	Material D
	b)	Reason 1 : Because it is waterproof for the user so the water would not get trapped into the eyes. Reason 2 : Because it allows light to pass through for the user to see clearly.
Q33	a)	He should stroke the nail in one direction about 50 times using the same pole.
	b)	As the number of strokes increase, magnetic strength of the iron nail increases.
Q34	a)	Magnet X.
	b)	Because Magnet X could attract the same number of iron nails as Magnet Y at a further distance of 20cm.

2  
END