2025 PRIMARY 3 END-OF-YEAR EXAMINATION

Name : _____ ( )

Class : Primary 3 ( )

Date: 30 October 2025

Time: 8.00 a.m. - 9.15 a.m.

Duration: 1 hour 15 minutes

SCIENCE

BOOKLET A

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers on the Optical Answer Sheet (OAS) provided.

Booklet A (18 x 2 marks)

For each question from 1 to 18, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

(36 marks)

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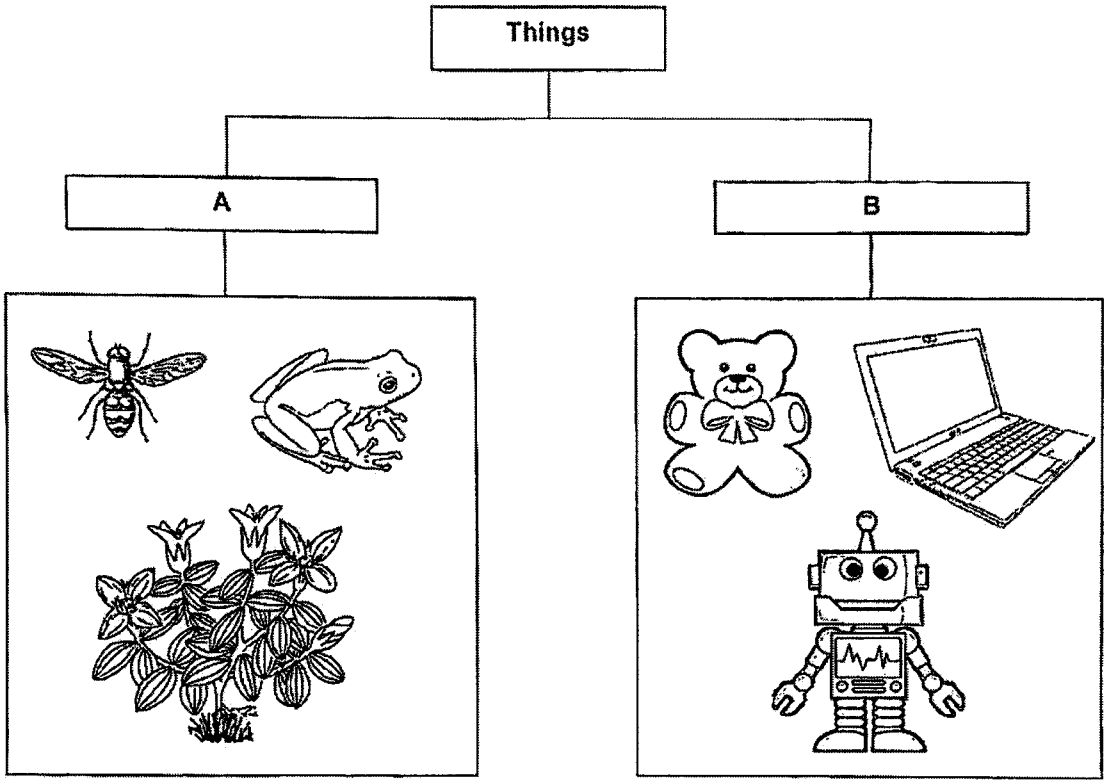
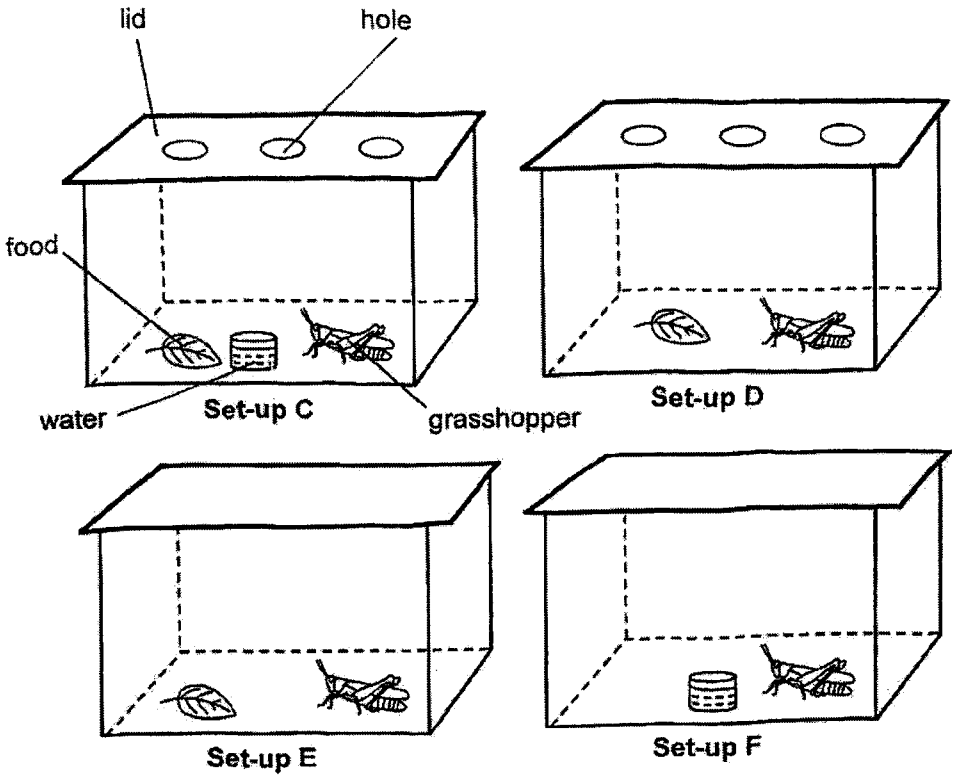
1. The diagram shows how some things are classified.



Which of the following correctly describes the characteristics, A and B?

	A	B
(1)	can reproduce	cannot reproduce
(2)	can make its own food	cannot make its own food
(3)	cannot move on its own	can move on its own
(4)	cannot respond to changes in the environment	can respond to changes in the environment

2. Study the four set-ups as shown below.



Which two set-ups should she use to find out if living things need water to survive?

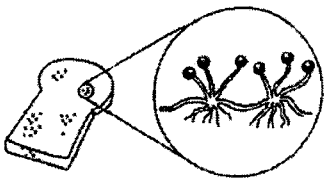
(1) C and D

(2) C and E

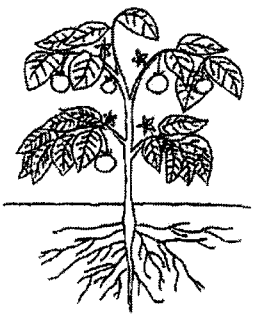
(3) D and F

(4) E and F

3. Study the pictures below carefully.



Living thing G



Living thing H

Which of the following statements is correct?

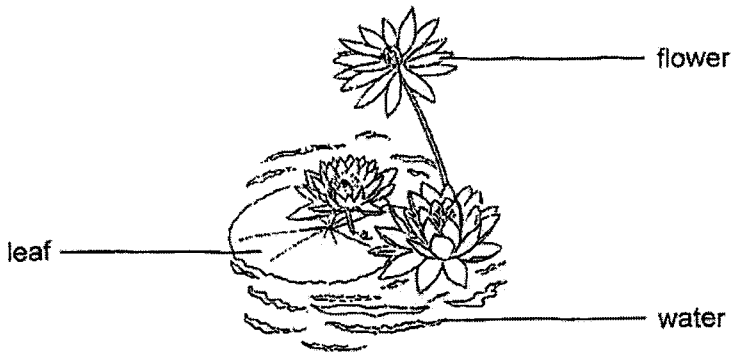
(1) Both have leaves.

(2) Both reproduce by spores.

(3) G does not produce fruits but H produces fruits.

(4) G is a non-flowering plant but H is a flowering plant.

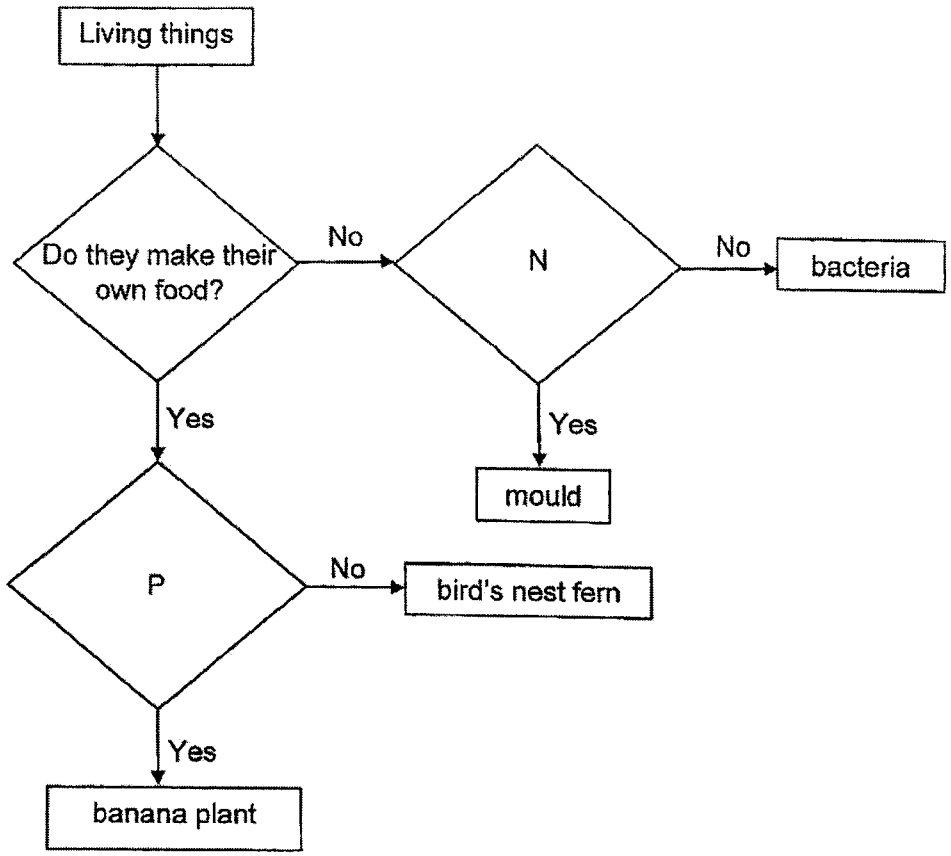
4. The table below shows some information on four plants, J, K, L and M.
A tick (✓) shows that the characteristic is present in that plant.



Which plant, J, K, L or M, is shown in the diagram above?

	Plant	Characteristics	
		able to produce fruits	grows on land
(1)	J		✓
(2)	K		
(3)	L	✓	
(4)	M	✓	✓

5. Study the flowchart.



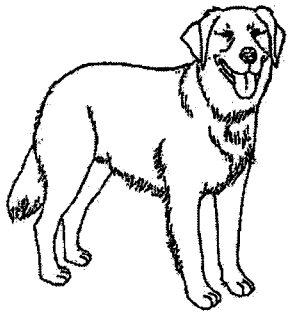
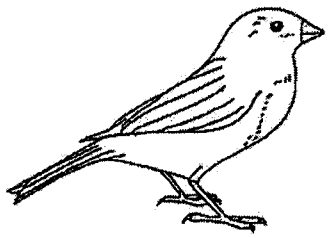
Based on the flowchart above, which of the following questions correctly represent N and P respectively?

	N	P
(1)	Do they reproduce by seeds?	Do they bear flowers?
(2)	Do they bear flowers?	Do they reproduce by seeds?
(3)	Do they reproduce by spores?	Do they bear flowers?
(4)	Do they bear flowers?	Do they reproduce by spores?

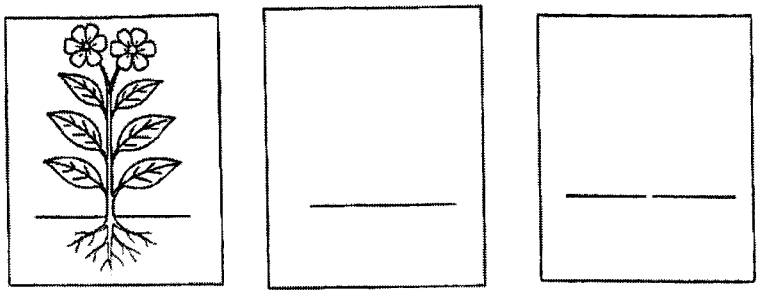
6. Study the table below carefully. A tick (✓) shows that the animal has the characteristic.

Animal	Can fly	Has hair as outer covering	Has 2 legs only
Q			✓
R		✓	
S	✓		✓

Which animals, Q, R or S, can represent Animal A and Animal B shown below?

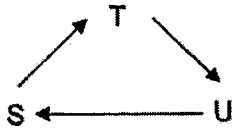
	Animal A	Animal B
		
(1)	Q	R
(2)	Q	S
(3)	R	S
(4)	S	Q

7. S, T and U show the stages of a plant life cycle.

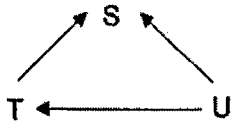


Which diagram shows the correct life cycle of a plant?

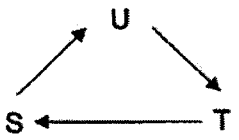
(1)



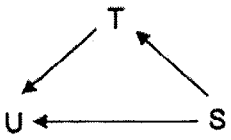
(2)



(3)

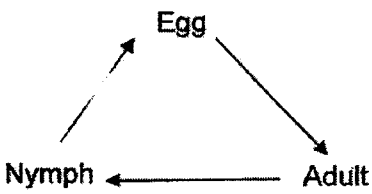


(4)

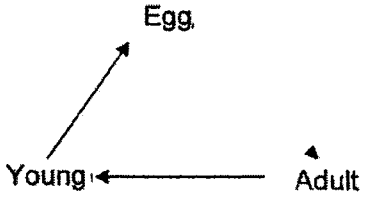


8. Which of the following represents a chicken's life cycle?

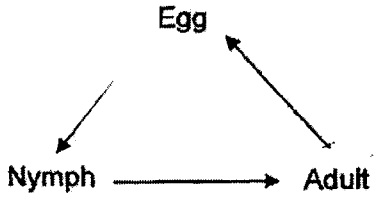
(1)



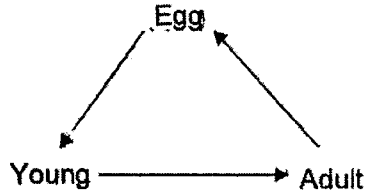
(2)



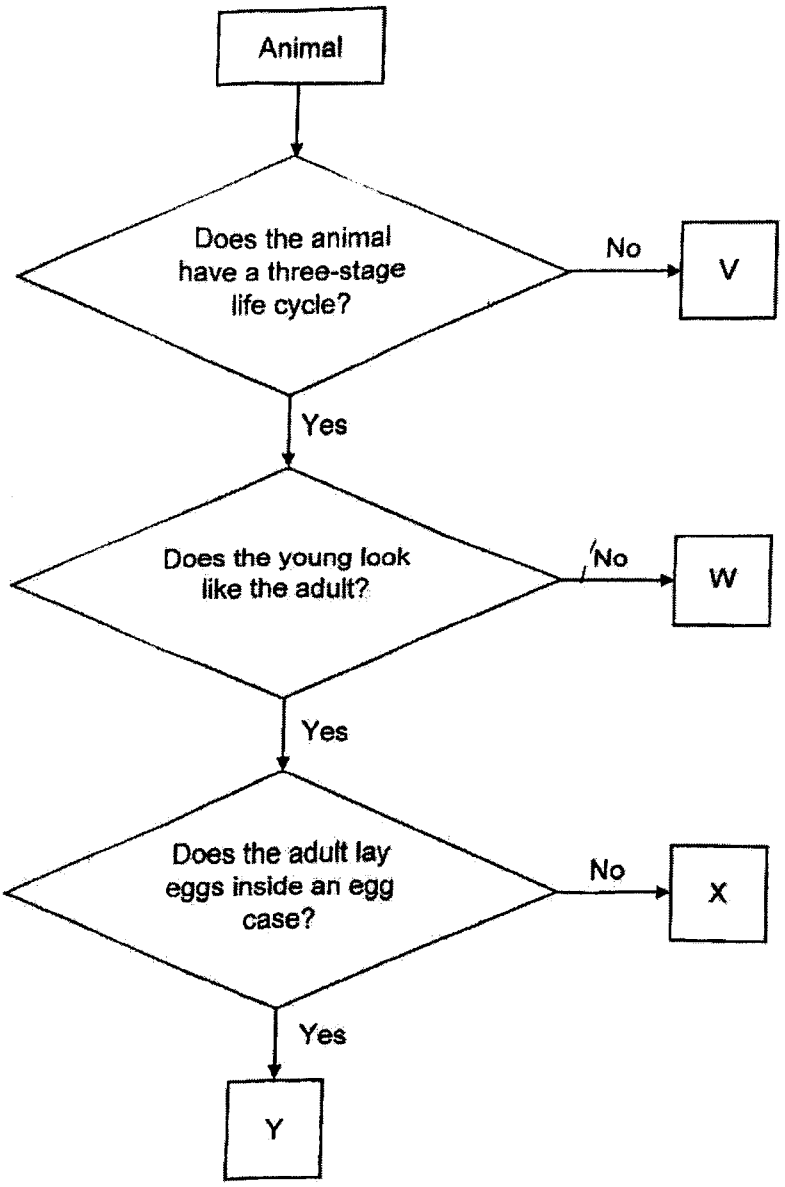
(3)



(4)



9. Study the flowchart.



Which animal, V, W, X or Y, represents a frog?

(1) V

(2) W

(3) X

(4) Y

10. Which statement about the life cycles of both the cockroach and the grasshopper is **not** correct?

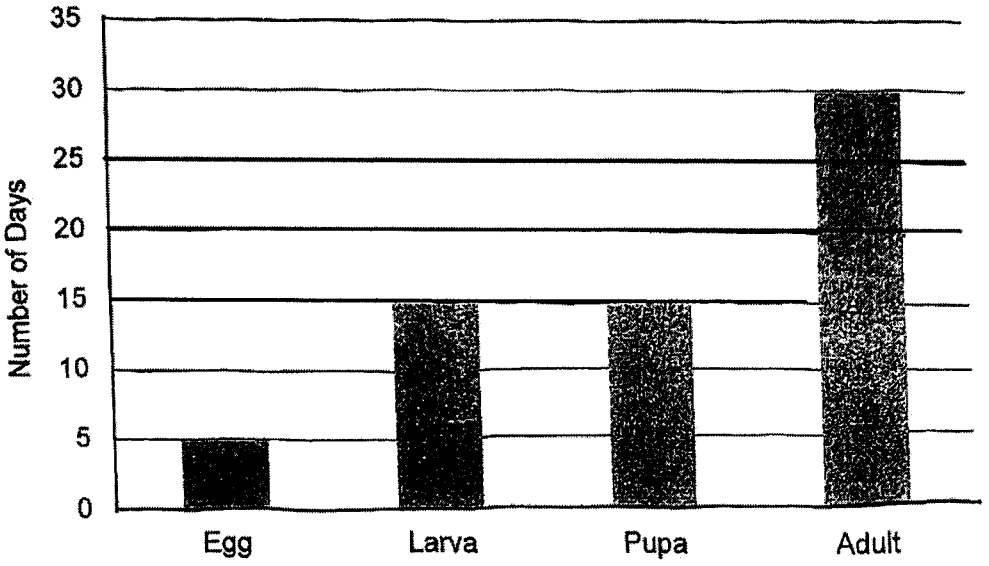
(1) Both have the egg stage.

(2) Both have the larval stage.

(3) Both have three stages in their life cycles.

(4) Both their young and adults live on land.

11. The graph below shows the length of time for each stage in the life cycle of animal A.



Based on the graph, which statement about animal A is true?

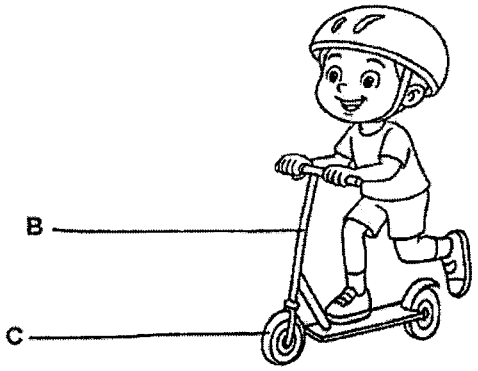
(1) Animal A can live up to 30 days.

(2) Animal A has 3 stages in its life cycle.

(3) Animal A spends most of its life cycle in the larval stage.

(4) After hatching, animal A takes another 30 days to turn into an adult.

12. The diagram shows a boy riding his kick scooter. Part C helps the kick scooter move smoothly and Part B keeps the movement of the kick scooter stable and safe.



Which materials are most suitable for making parts B and C?

	B	C
(1)	rubber	metal
(2)	ceramic	metal
(3)	rubber	ceramic
(4)	metal	rubber

13. Mandy wants to select a material to make part D of a photo frame as shown below.

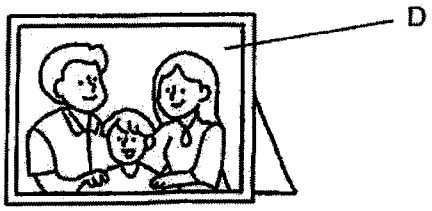


photo frame

Which property of this material allows Mandy to see the photograph clearly?

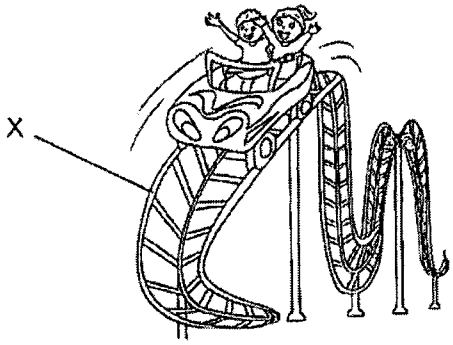
(1) strong

(2) flexible

(3) waterproof

(4) allows most light to pass through

14. The diagram below shows an outdoor roller coaster.



Which material, E, F, G or H, is most suitable for making part X to keep the people sitting in the roller coaster safe? A tick (✓) shows that the property is present in the material.

	Material	Property		
		strong	flexible	waterproof
(1)	E	✓	✓	✓
(2)	F		✓	
(3)	G	✓		✓
(4)	H		✓	✓

15. Which statement about magnets is **not** correct?

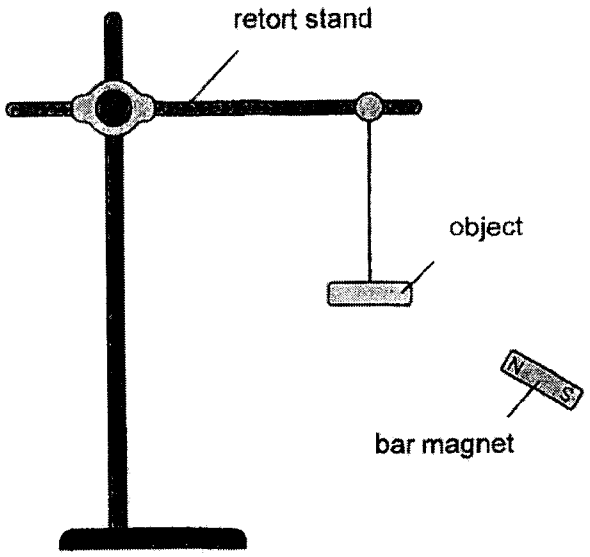
(1) All magnets have two poles.

(2) All metals can be made into magnets.

(3) Like poles of two magnets facing each other repel.

(4) A freely suspended bar magnet will come to rest pointing in the north-south direction.

16. Chen moved a bar magnet towards 3 objects, J, K and L, as shown.



He recorded his observations in the table below.

Object	**Observations when the magnet was moved towards the object**
J	Object J did not move.
K	Object K moved away from the magnet then flipped to the opposite side.
L	Object L moved towards the magnet.

What can be concluded from Chen's observations?

A Object J is not made from a magnetic material.
B Object K is a magnet.
C Object L is a magnet.

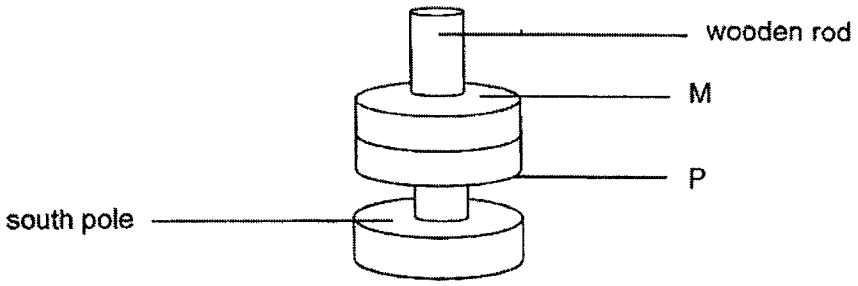
(1) B only

(2) C only

(3) A and B only

(4) A and C only

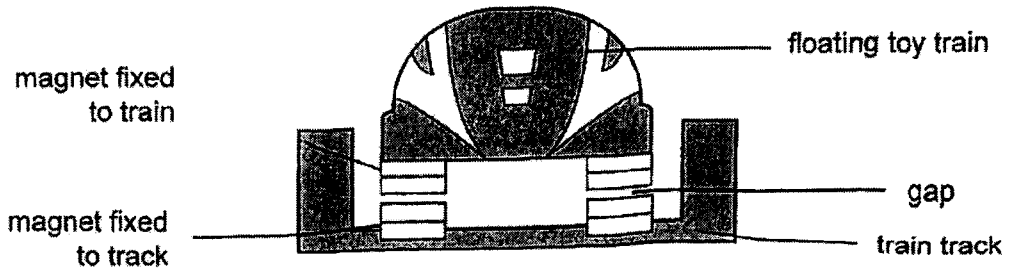
17. The diagram shows the positions of 3 ring magnets when they are put through a wooden rod.



What are the poles marked M and P?

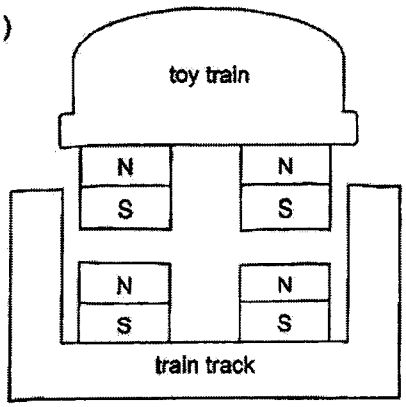
	M	P
(1)	north	north
(2)	north	south
(3)	south	north
(4)	south	south

18. The diagram below shows a floating toy train. Four strong magnets are fixed to the base of the toy train and the track of the toy train.

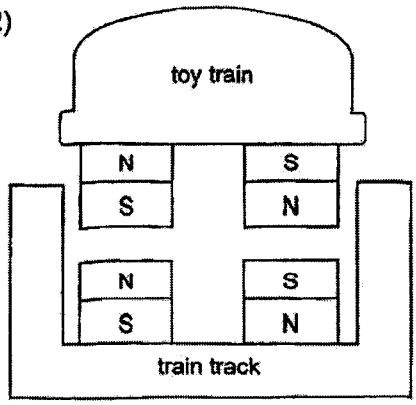


Which of the following diagrams correctly shows how the magnets are arranged so that the toy train can float above the track?

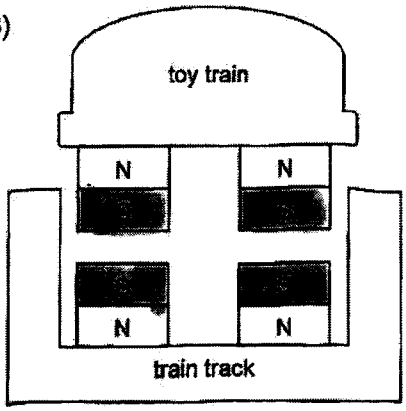
(1)



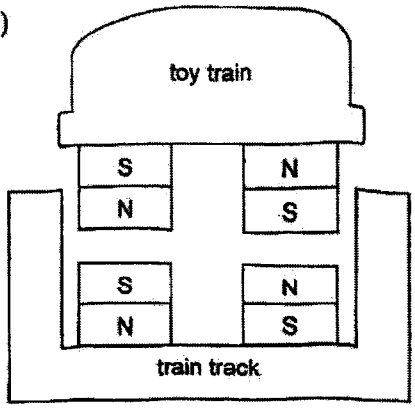
(2)



(3)



(3)



End of Booklet A

2025 PRIMARY 3 END-OF-YEAR EXAMINATION

Name : _____ ( )

Class : Primary 3 ( )

Parent's Signature : _____

Date: 30 October 2025

Time: 8.00 a.m. – 9.15 a.m.

Duration: 1 hour 15 minutes

SCIENCE

BOOKLET B

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in the booklet.

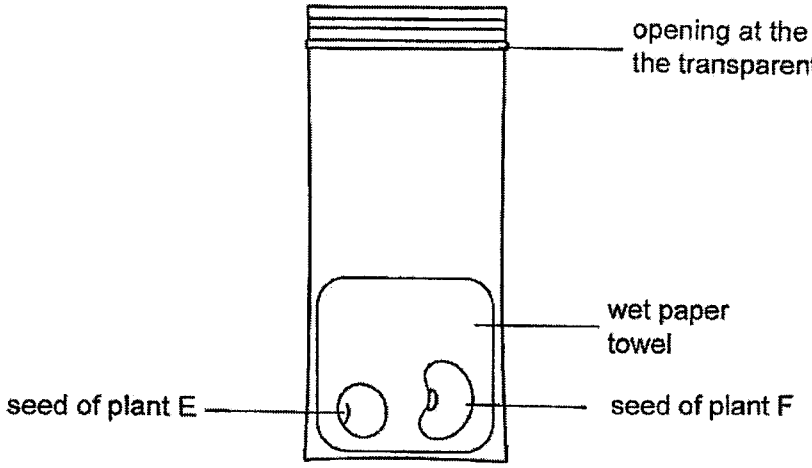
Booklet A	36
Booklet B	24
Total	60

Booklet B (24 marks)
For questions 19 to 26, write your answers clearly in this booklet.

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

(24 marks)

19. Belle conducted an experiment with the bag left open as shown in the diagram.



She added some water to the paper towel every day and recorded the height of each plant for a week. The table below shows the height of each plant each day.

	Height of plants (cm)	
Day	plant E	plant F
1	0	0
2	1	2
3	2	3
4	2	4
5	3	4
6	3	5
7	4	6

(a) How does keeping the bag open help the plant to survive? [1]

Score 1

(b) The paper towel must be kept wet during the experiment. Explain why. [1]

_____

_____

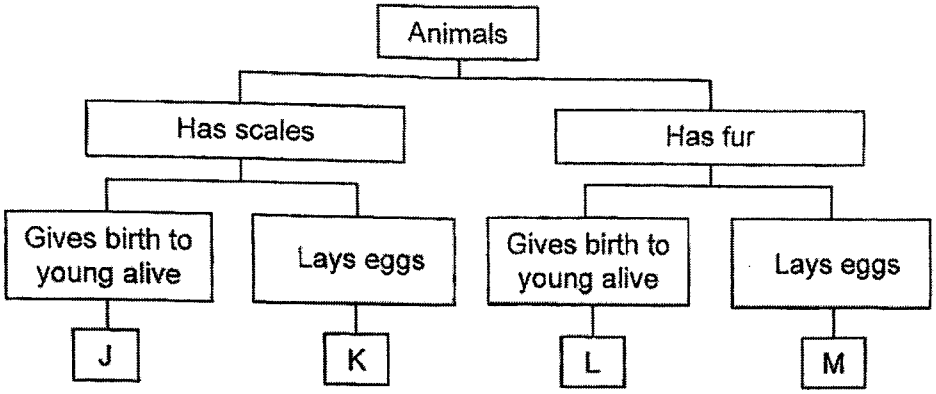
(c) Using information from the table, compare the growth of plant E to plant F. [1]

_____

_____

Score 2

20. Study the classification chart below.



(a) Using the information above, state one similarity and one difference between animals K and M. [2]

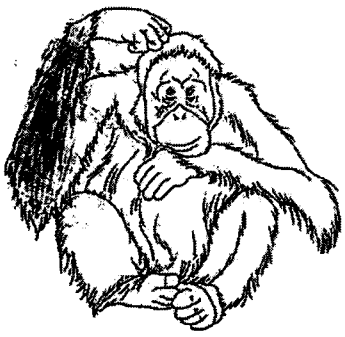
Similarity: _____

_____

Difference: _____

_____

Study the diagram below.



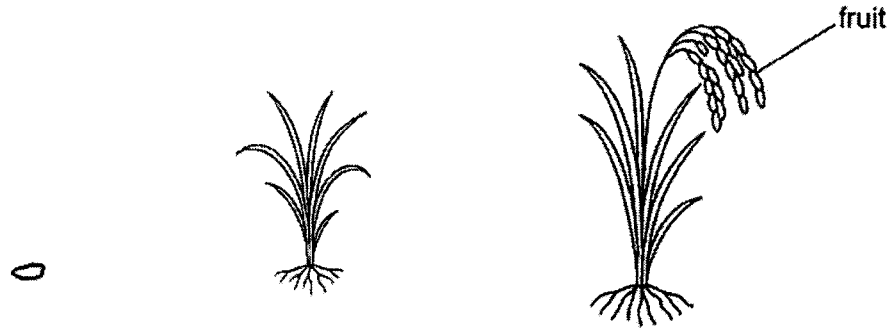
(b) Which animal, J or L, can this animal shown above be? Explain why. [1]

_____

_____

Score ___/3

21. The diagram below shows three stages in the life cycle of a rice plant.



(a) Name stage A. [1]

(b) Using information from the diagram above, explain how a farmer knows that the rice plant at stage C is at the adult stage. [1]

(c) A farmer did not sell or eat all the rice but kept a small portion of the rice harvested. This action ensures that the farmer has more rice to sell in the future. Based on the life cycle of the plant, explain why the farmer can have a continuous supply of rice to sell. [1]

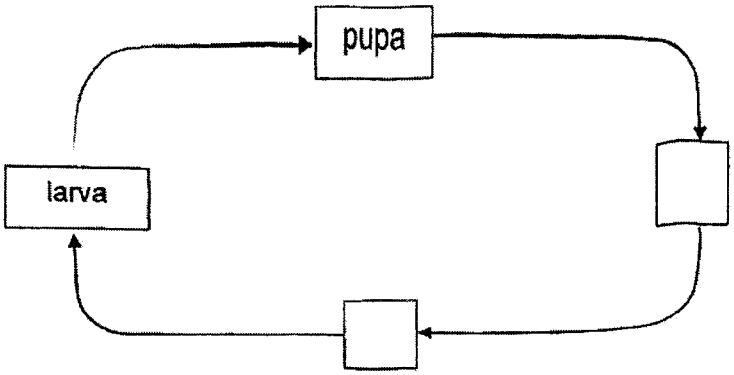
Score / 3

22. The diagram below shows two stages in the life cycle of a mosquito.

Stage G

Stage H

(a) Fill in the stages 'G' and 'H' correctly in the empty boxes below. [1]



Dengue fever is spread by adult female mosquitoes. To reduce dengue fever, special male mosquitoes were released to breed with female mosquitoes. Their eggs do not hatch.

The diagram below shows what happened.

special male mosquito female mosquito eggs that do not hatch

(b) Suggest how the release of the special male mosquitoes affect the life cycle of the mosquitoes. [1]

_____

_____

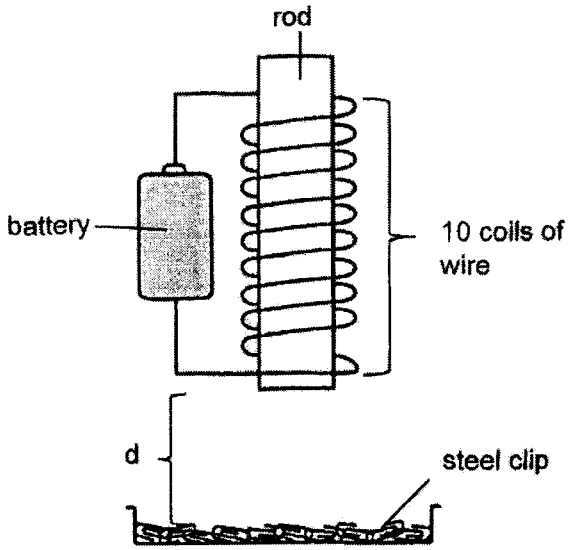
(c) State another way to prevent mosquito breeding at home. [1]

_____

_____

Score 3

23. Timmy made an electromagnet as shown below. His electromagnet attracted 2 steel clips from a fixed distance, d.



(a) Suggest a suitable material used to make the rod. [1]

_____

(b) Circle the correct answer to show how the number of steel clips attracted to the electromagnet change when Timmy made the following changes to his electromagnet. [2]

(i) He added more batteries to his electromagnet.

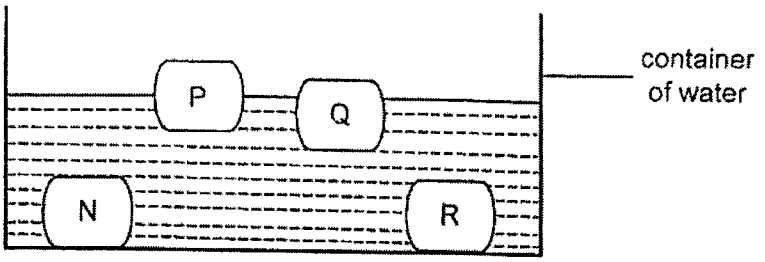
The number of steel clips attracted will (increase / decrease / stay the same).

(ii) He reduced the number of coils of wire around the rod.

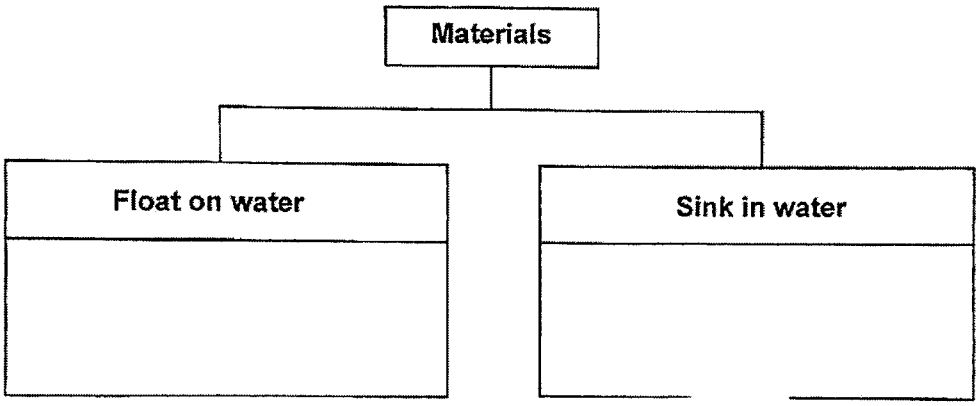
The number of steel clips attracted will (increase / decrease / stay the same).

Score	/ 3

24. Sarah conducted an experiment with objects made of materials, N, P, Q and R, to observe their ability to sink or float in water. They are of the same size and shape. Her observation is shown in the diagram.



(a) Based on the diagram above, classify the four materials, N, P, Q and R, into two groups in the table below. [1]



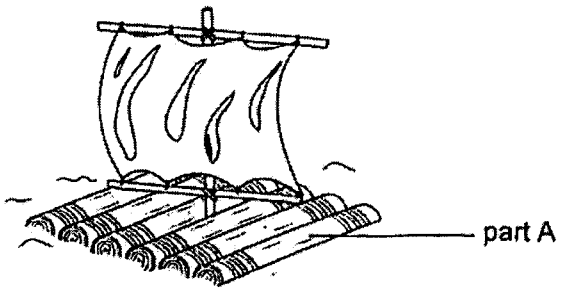
(b) Sarah concludes that N and Q are made of the same material. Do you agree with her? Explain why. [1]

_____

_____

Score	/ 2

Sarah wanted to build a water raft as shown in the diagram below.

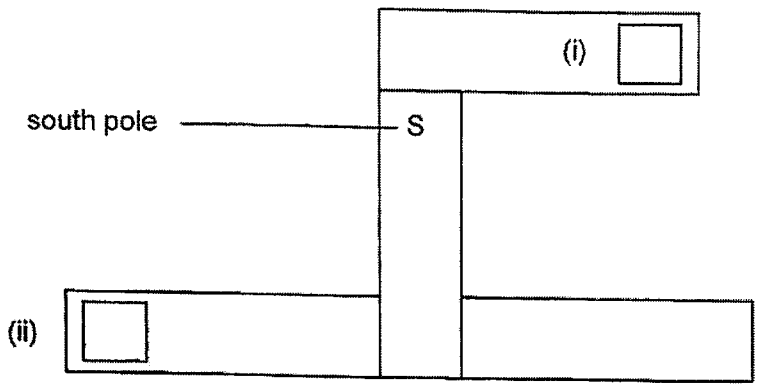


(c) Which material, P or R, should she use to make part A? Explain why. [1]

Score / 1

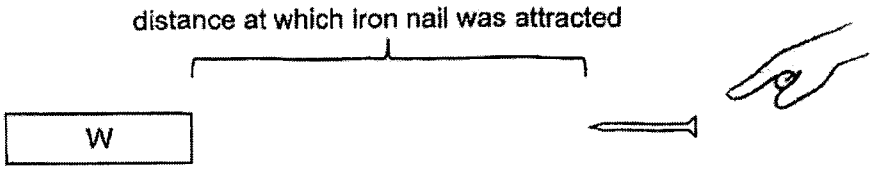
25. Devi arranged four different bar magnets as shown below.

(a) Using the letters 'N' or 'S', fill in the correct poles of the magnets in the boxes provided. [1]



Score / 1

Devi wanted to test the magnetic strength of four magnets, W, X, Y and Z. She placed magnet W on the table and slowly pushed an iron nail towards magnet W until the iron nail was just attracted by the magnet. She then repeated the same step for the other magnets.



The distance at which the iron nail was just attracted by each magnet is shown in the table below.

Magnet	Distance at which nail was just attracted by magnet (cm)
W	3
X	2
Y	4
Z	5

(b) Arrange the 4 magnets, W, X, Y and Z, in order of its strength, from the weakest to the strongest. [1]

_____, _____, _____, _____

weakest strongest

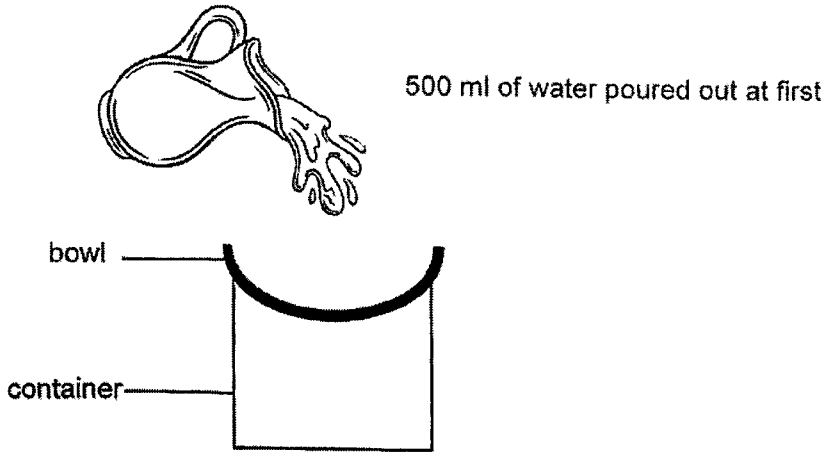
(c) To conduct a fair test, Devi needs to change one variable but keep the other variables the same.

Tick the variables that need to be kept the same in the boxes provided. [1]

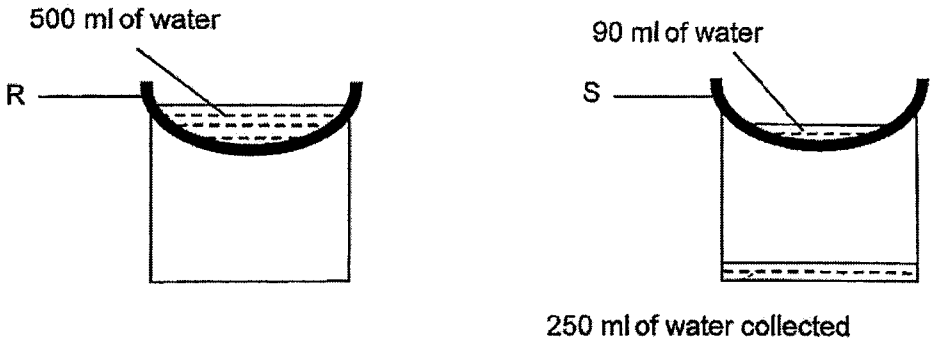
- ☐ Type of nail
- ☐ Type of magnet
- ☐ Type of table surface
- ☐ Distance at which the nail was attracted

Score 2

26. Jenny placed two bowls made of materials R and S, of the same thickness, over two identical empty containers. She poured 500 ml of water into each bowl.



The diagrams show what she observed after 5 minutes.



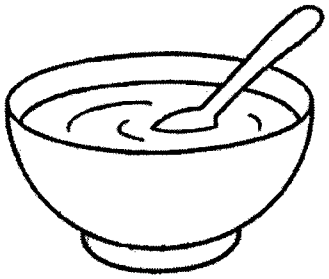
(a) What property of material was Jenny testing on? [1]

_____

_____ _____

Score	/ 1

The diagram shows a soup bowl found in Jenny's school canteen.

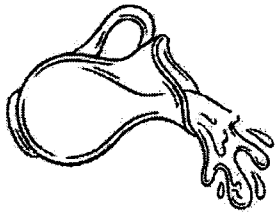


(b) Which of the materials, R or S, is the soup bowl made of? Explain why. [1]

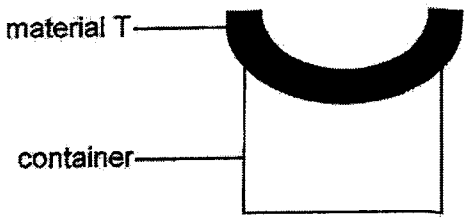
_____

_____

She carried out the experiment with another material T to compare with material R. The diagram below shows the set-up at the start of the experiment.



500 ml of water poured



(c) Was Jenny's experiment a fair test? Explain why. [1]

_____

_____

End of Booklet B

Score	/ 2

SCHOOL : TAO NAN PRIMARY SCHOOL

LEVEL : PRIMARY 3
SUBJECT : SCIENCE
TERM : SA2 2025

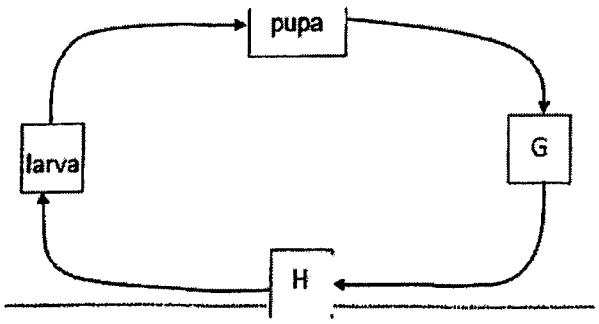
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	1	3	3	3	3	1	4	2	2

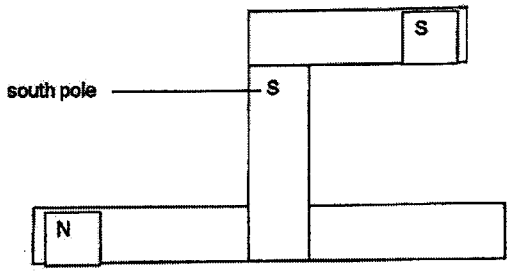
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18
4	4	4	3	2	3	2	3

Tao Nan School
P3 End of Year Examination 2025
Simplified Answer Key (Booklet B)

Name: _____ ( ) Class: 3____

This answer key only serves as a reference. Variations of students' answers have been accepted if they have shown conceptual understanding.

Qn	Suggested Answer
19	a) To allow air to enter. b) To provide water for the plant to grow. c) The growth of plant F is faster than the growth of plant E OR F grows taller than E.
20	a) Similarity - Both animals lay eggs. Differences – Animal K has scales but animal M has fur. b) Animal L. The animal shown has fur just like animal L.
21	a) Seed b) The plant at stage C bears fruit. c) The portion of rice can grow into adult and reproduce to form new plants.
22	a)  b) Since the eggs formed do not hatch, there will be no larval/pupal/adult stage. c) Removing stagnant water / Changing water in vase regularly / Keeping fish in pond.

Qn	Suggested Answer
23	a) Iron b) (i) increase (ii) decrease
24	a) Float on water: P and Q Sink in water: N and R b) No. Material N sinks while material Q floats. c) C: Material P E: Material P floats on water but material Q sinks. R: When Sarah sits on the raft she will stay afloat.
25	a)  b) X, W, Y, Z c) ✓ Type of nail ☐ Type of magnet ✓ Type of table's surface ☐ Distance which nail are attracted
26	a) To find out if the material is waterproof. b) C: R E: as water is unable to pass through it / it is waterproof. R: The bowl can hold the soup / so soup will not seep through the bowl. c) No. The thickness of the R and T are different.