0.3

Henry Park Primary School
Primary Four Science
Weighted Assessment 1

Name: _____ ( ) **Class:** 4 __ **Marks:** _____ / 25

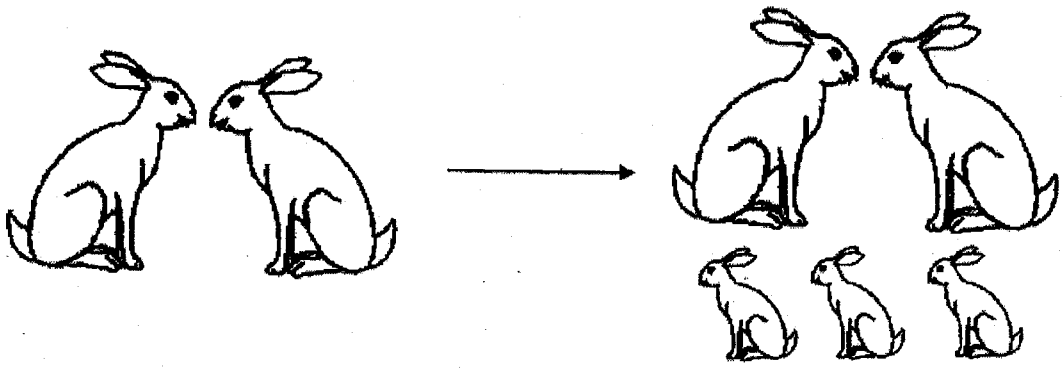
Parent's Signature: _____

For questions 1 to 5, write your answers in the space provided. **Duration:** 35 minutes

---

Section A - Multiple Choice Questions (10 marks)

1. Min Yee bought two adult rabbits. After one year, the two adult rabbits had three more young rabbits.



Which characteristic of living things does this show?

(1) Living things die.

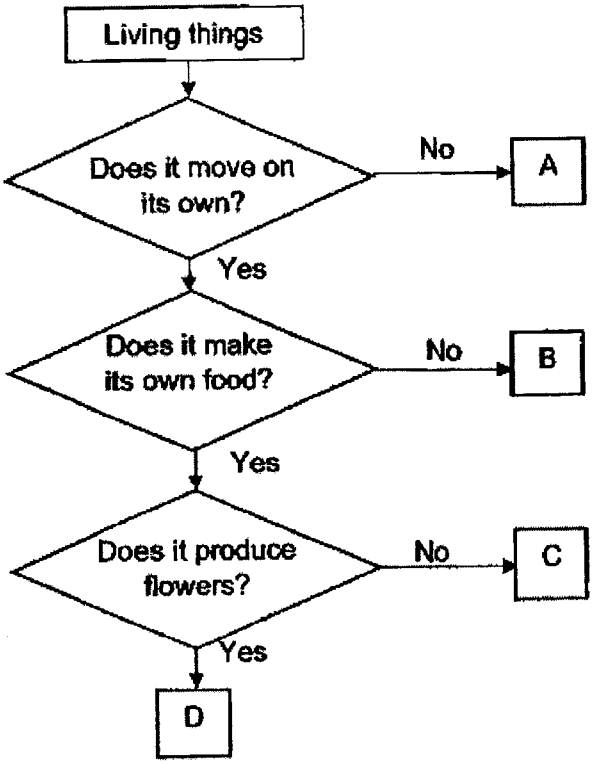
(2) Living things move.

(3) Living things reproduce.

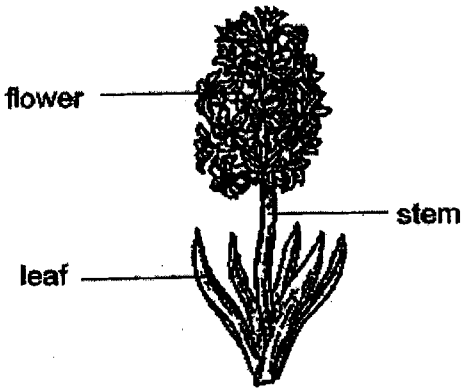
(4) Living things respond to changes. ( )

Downloaded from SingaKids.com

2. Study the flowchart below carefully.



The diagram below shows a plant.

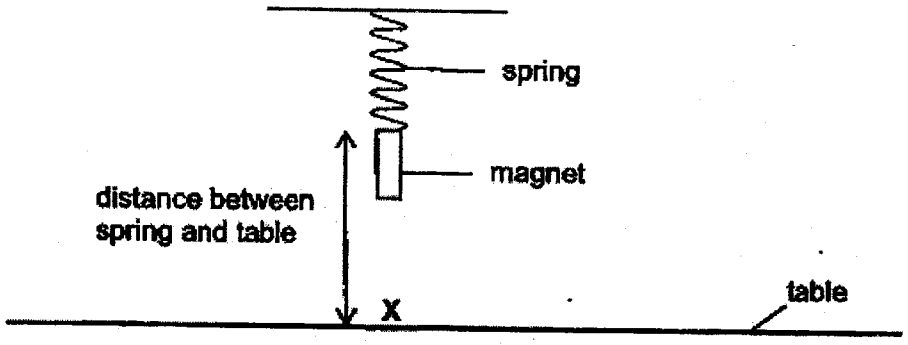


Which letter in the above flowchart best represents the plant above?

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

Downloaded from SingaKids.com

3. Hannah conducted an experiment using the following set-up. The magnet was hung from the spring. After the spring had stopped moving, Hannah measured the distance between the spring and the table.



She repeated the experiment by placing different objects A, B and C at X. Her results are shown in the table below.

Object placed at X	Distance between spring and table (cm)
No object	10
A	15
B	10
C	5

Based on the results above, what could objects A, B and C be?

	A	B	C
(1)	copper coin	iron nail	magnet
(2)	copper coin	magnet	iron nail
(3)	iron nail	magnet	copper coin
(4)	magnet	copper coin	magnet

( )

Downloaded from SingaKids.com

4. The properties of four materials, D, E, F and G, are given in the table below.

Properties	D	E	F	G
waterproof	No	Yes	Yes	No
allows light to pass through	No	Yes	No	Yes
breaks easily	Yes	No	No	Yes

Which material is suitable to make part X of the spectacles shown below?



(1) Material D

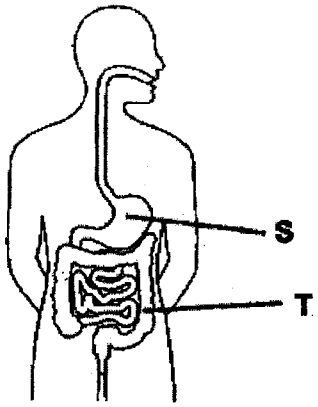
(2) Material E

(3) Material F

(4) Material G ( )

Downloaded from SingaKids.com

5. The diagram below shows the human digestive system.



Which of the following statement(s) about parts S and T is/are true?

A Digestion starts at part S and ends at part T.

B Part S has more digested food than part T.

C Both parts S and T contain digestive juices.

D Water is removed from the undigested food in Part T.

(1) A only.

(2) D only.

(3) A and C only.

(4) B and D only.

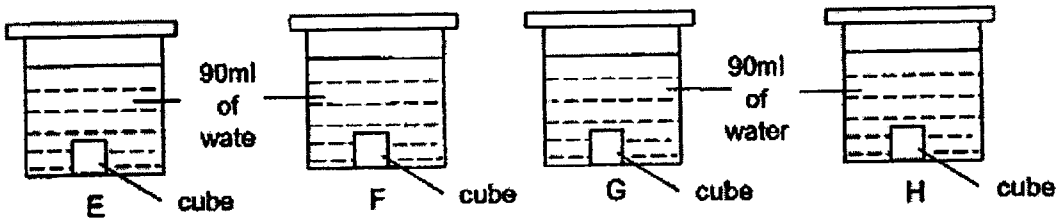
( )

Downloaded from SingaKids.com

Section B – Short Answer Questions (6 marks)

6. Nelly wanted to find out whether four cubes, E, F, G and H, made of different materials could absorb water. All the cubes have the same volume.

She placed the cubes into four similar containers each filled with 90ml of water.



An hour later, she removed the cubes and recorded the amount of water left in the containers.

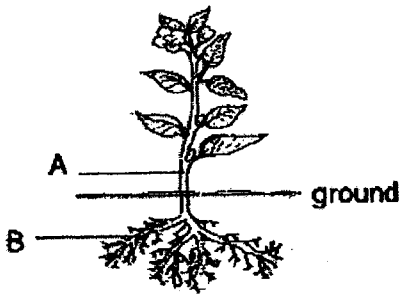
Material	E	F	G	H
Amount of water left in the container (ml)	90	30	70	0

Arrange the materials from the most absorbent to the least absorbent. [2]

_____ , _____ , _____ , _____

Most absorbent ⟶ Least absorbent

7. The diagram below shows a plant.



(a) Name the parts of the plant.

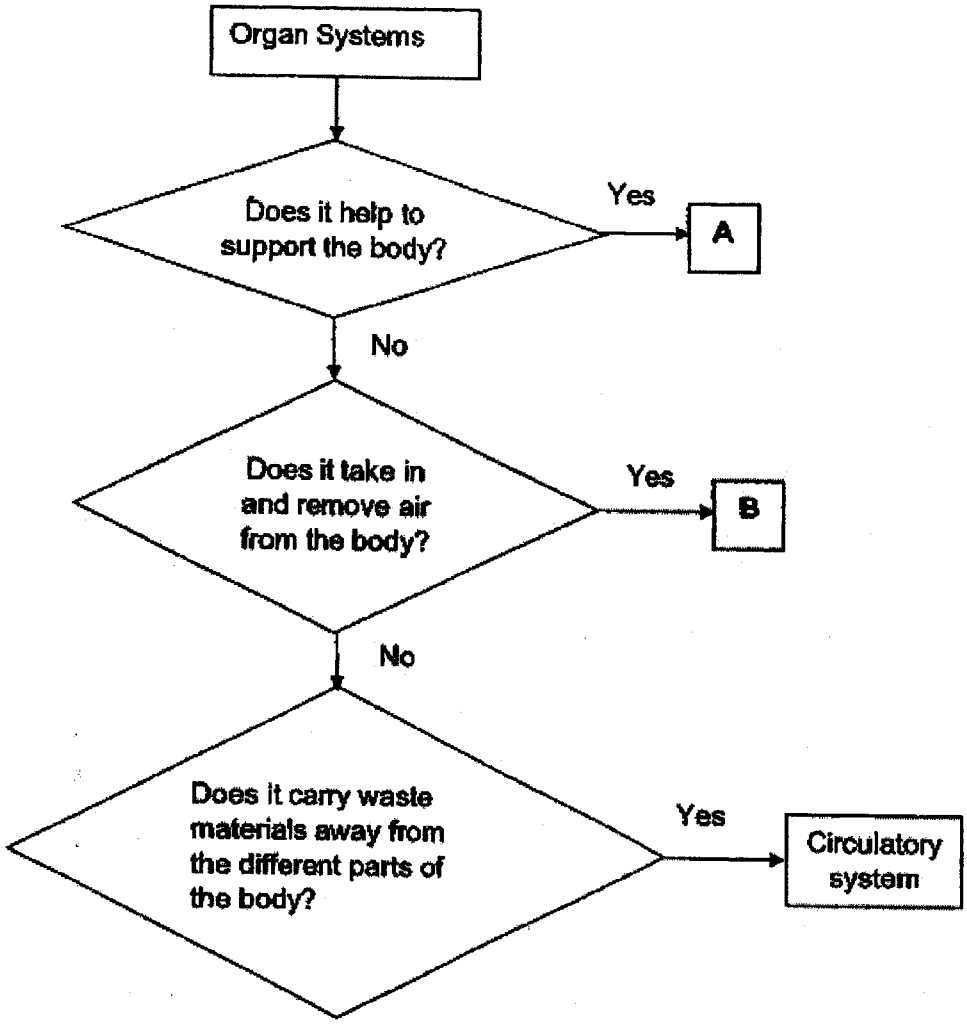
Part A is the _____ while part B is the _____. [1]

(b) State the function of part B. [1]

_____

Downloaded from SingaKids.com

8. Study the flowchart below carefully.



(a) Which organ systems do A and B represent? [1]

A: _____ system

B: _____ system

(b) Which two organ systems work together to provide digested food to all parts of the body? [1]

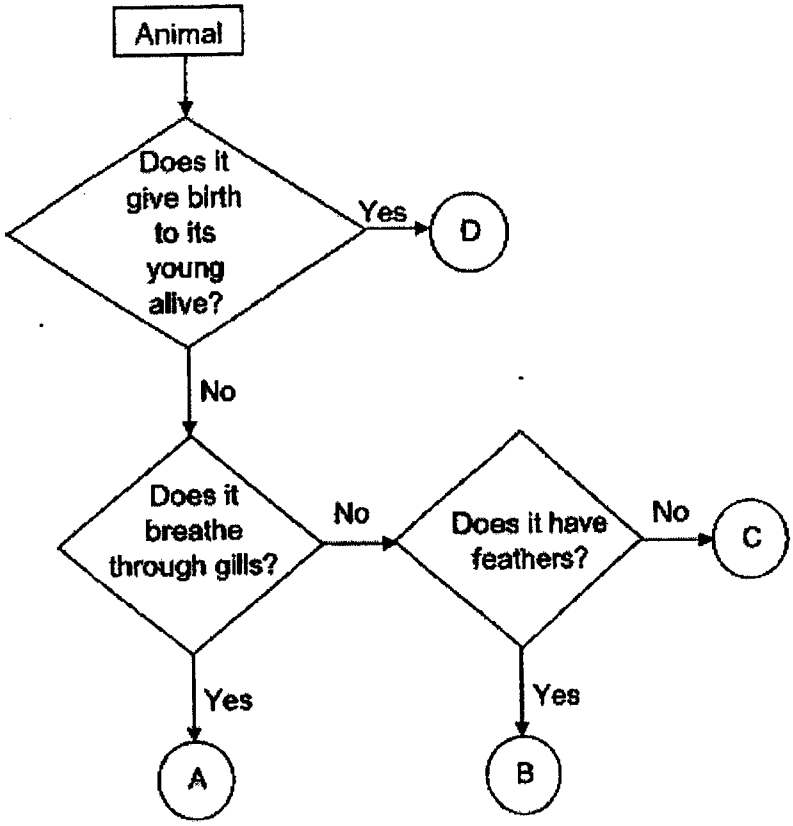
i) _____ system

ii) _____ system

Downloaded from SingaKids.com

Section C – Open-ended Questions (9 marks)

9. Study the flowchart below.



(a) Based on the flowchart above, state one **similarity** between animals A and B. [1]

_____

(b) Based on the flowchart above, state one **difference** between animals A and C. [1]

_____

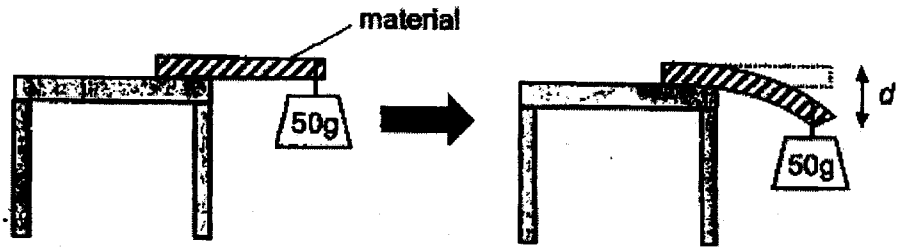
_____

(c) Based on the flowchart above, which **animal group** does animal D belong to? [1]

_____

Downloaded from SingaKids.com

10. Simon wanted to test a property of three materials, P, Q and R. He placed each material on the side of a table and hung a 50g weight on one end of the material. He measured the distance 'd' as shown in the diagram and recorded his observation in the table below.



Material	Distance '*d*'
P	5
Q	13
R	0

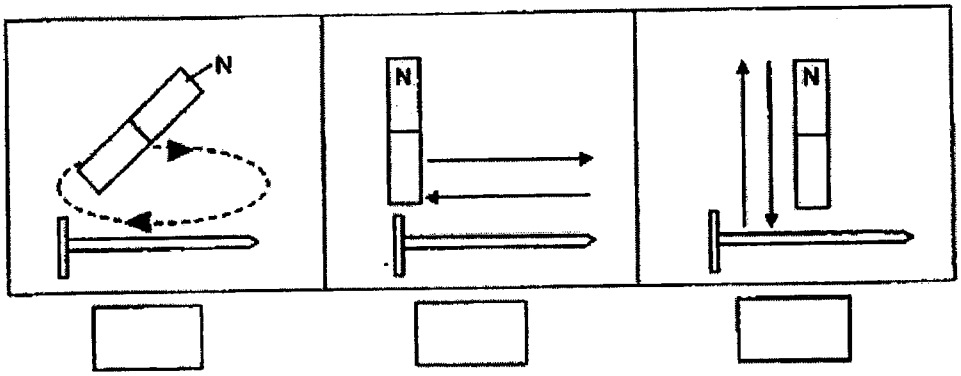
(a) State the property of the materials that Simon is trying to test. [1]

(b) Which material, P, Q or R is most suitable for making a bookshelf? Explain your answer. [1]

Downloaded from SingaKids.com

11. Matthew wants to make an iron nail into a magnet using the stroking method.

(a)(i) Tick (✓) the box that shows the correct way of using the stroking method to make the iron nail into a temporary magnet. [1]



(a)(ii) Describe how Matthew can increase the strength of the temporary magnet. [1]

_____

(b) Matthew brought two magnets near to each other but the two magnets moved away from each other.



Is Y the North or South Pole? Explain your answer. [2]

_____

_____

End of Paper

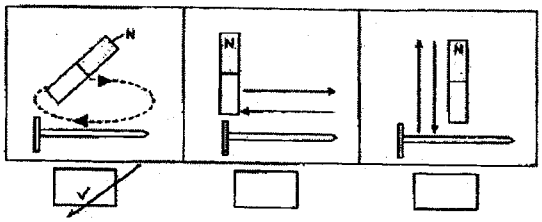
Downloaded from SingaKids.com

SCHOOL : HENRY PARK PRIMARY SCHOOL

LEVEL : PRIMARY 4
SUBJECT : SCIENCE
TERM : WA1 2023

CONTACT :

Q 1	Q2	Q3	Q4	Q5
3	4	4	2	4

Q6)	H , F , G , E
Q7)	a) Part A is the stem while part B is the root. b) It helps hold the plant firmly to the ground and get water from the soil.
Q8)	a) A: skeletal B: Respiratory b) i)Digestive ii)Circulatory
Q9)	a) They do not give birth to young alive. b) Animal A breathe through gills but animal C does not. c) Mammals.
Q10)	a) Flexibility b) Material R, material R is the least flexible so the books will not fall of the shelf.
Q11)	a)i) 

Downloaded from SingaKids.com

	a)ii)Matthew can stroke the iron nail more times. b)Y is the north pole. Both like poles of the magnets are facing each other, so when they are brought together they will repel each other.

Downloaded from SingaKids.com