

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

Class: Pr. 4 \_\_\_\_\_ Date: \_\_\_\_\_

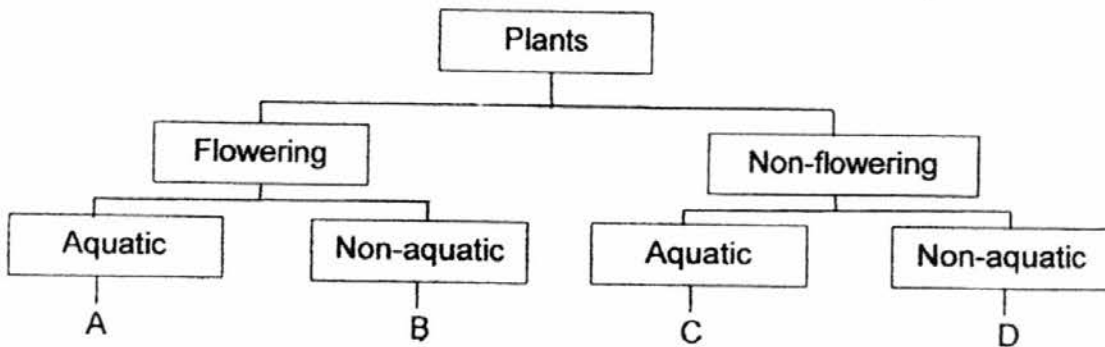
**Section A: Multiple-Choice Questions (9 x 2 = 18 marks)**

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

1. The following table shows the characteristics of two plants, Y and Z.  
A tick (✓) shows that the plant has the characteristic.

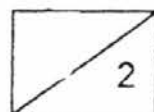
Characteristic	Y	Z
Bears fruit	✓	
Grows in water		✓

From the information above, where do plants Y and Z belong in the following classification table?



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

( )

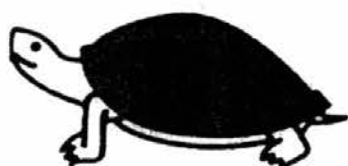


2. The following is a description of an animal that Suzen saw in the zoo.

It has hair as its outer-covering.  
It lays egg.  
The mother feeds the young with milk.

Which animal did Suzen see?

(1)



tortoise

(2)



monkey

(3)



bat

(4)



platypus

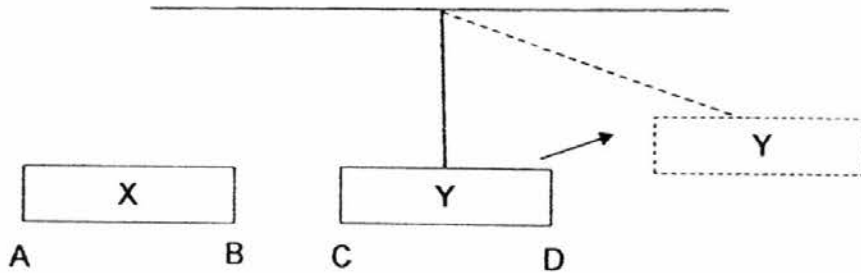
( )

3. Ahmad placed two different items in a container and wanted to separate them using a magnet. Which of the following items cannot be separated using a magnet?

- (1) iron filings and steel safety pins
- (2) steel needles and plastic buttons
- (3) copper coins and iron filings
- (4) rubber bands and iron filings

( )

4. Look at the diagram below.



When magnet X is brought near to bar Y, bar Y swings away in the direction as shown with the dotted line in the diagram.

Which of the statements is/are correct about magnet X and bar Y?

- A: Bar Y is not a magnet.
- B: Bar Y is made of a magnetic material.
- C: Bar Y is a magnet, B and C are like poles.

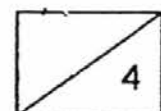
- (1) A only
- (2) C only
- (3) A and B only
- (4) B and C only

( )

5. Which part of a green bean seedling grows towards water?

- (1) stem
- (2) leaves
- (3) root
- (4) shoot

( )

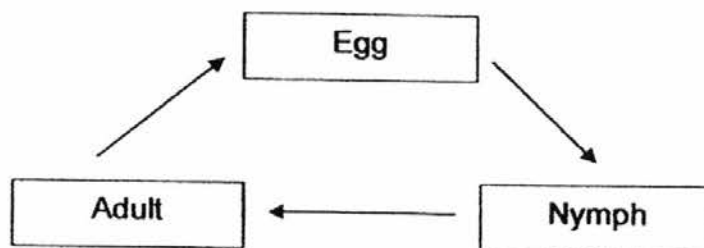


6. Which one of the following statements is true about all solids, liquids and gases?

- (1) They have mass.
- (2) They can be seen.
- (3) They have a definite shape.
- (4) They have a definite volume.

( )

7. The diagram shows the life cycle of an animal.

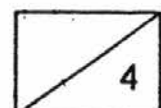


Which of the following animal(s) has/have a similar life cycle as the one shown above?

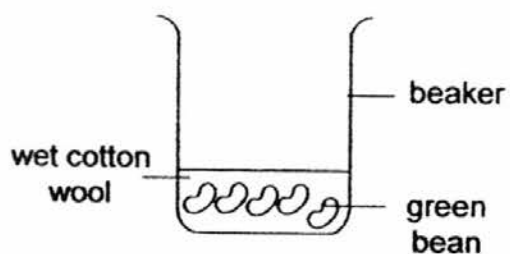
- A: frog
- B: beetle,
- C: cockroach

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

( )

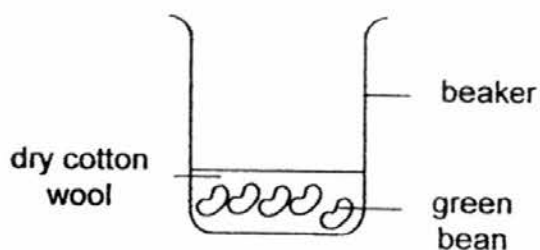


8. The diagrams below show four set-ups, P, Q, R and S, where green bean seeds are grown.



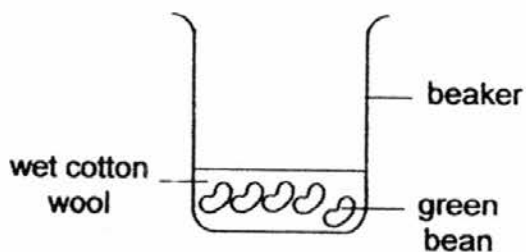
Left in the garden

**Set-up P**



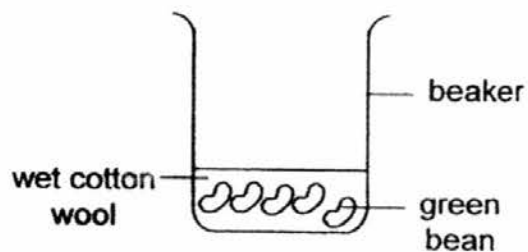
Left in the class cupboard

**Set-up Q**



Left in the class cupboard

**Set-up R**



Left in the freezer

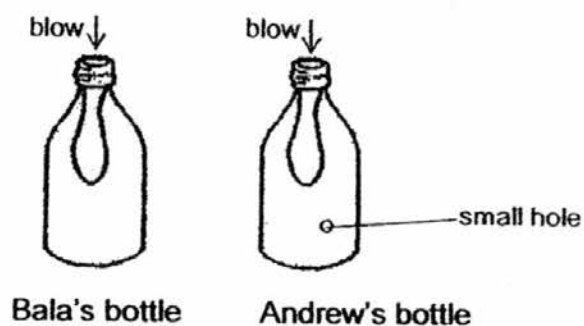
**Set-up S**

In which of the set-ups will the green bean seeds develop roots after one day?

- (1) Q and S only
- (2) P and Q only
- (3) R and S only
- (4) P and R only

(     )

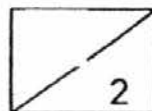
9. Bala and Andrew were each given a bottle with a balloon inserted as shown below.



Who can blow up the balloon in the bottle faster and bigger? Why?

	Reason	
(1)	Bala	The air in his bottle will be compressed.
(2)	Bala	The air blown into his balloon cannot escape as there is no hole in his bottle.
(3)	Andrew	Air in the bottle escapes through the small hole, allowing space for the balloon to inflate.
(4)	Andrew	Air enters the balloon through the mouth of the bottle and the small hole.

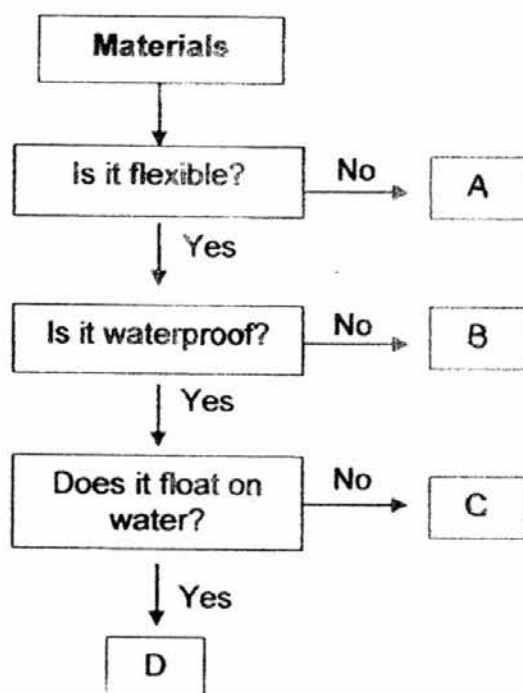
( )



**Section B: Open-ended Questions (4 Questions – 12 marks)**

Read the questions carefully and write your answer in the spaces provided.

10. Study the flow chart carefully.



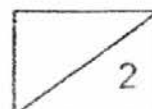
a) Based on the flow chart above, describe material B. (1 m)

---

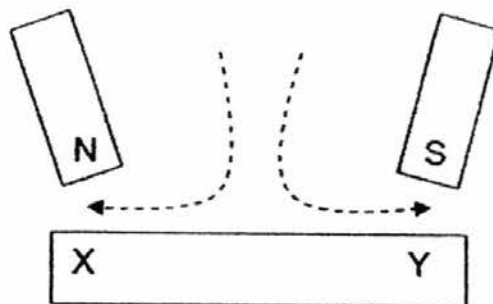
---

b) Which letter in the flow chart represents cotton wool? (1 m)

---



11. An iron bar XY was magnetised using two magnets as shown in the diagram.



- a) Identify the magnetic poles of iron bar XY after it has been magnetised. (1m)

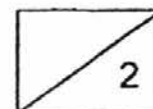
At X: \_\_\_\_\_

At Y: \_\_\_\_\_

- b) What would happen when pole X of the bar magnet was placed near an aluminium rod? Explain why. (1m)

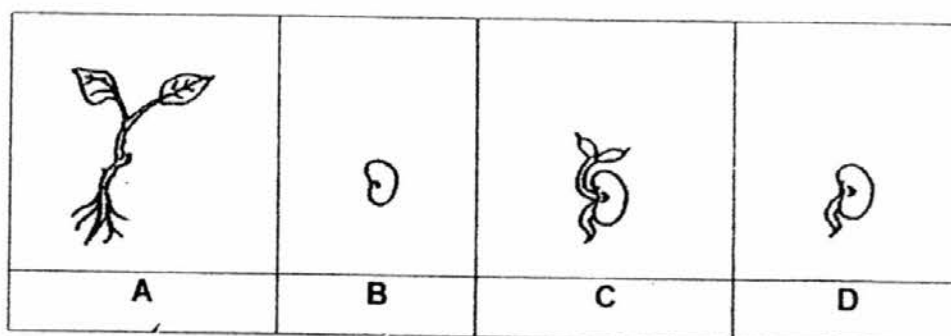
---

---

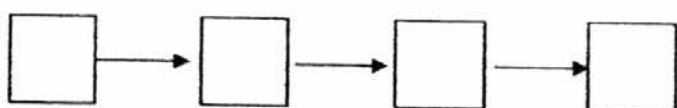




12. The diagrams show the different stages of growth of a bean plant.



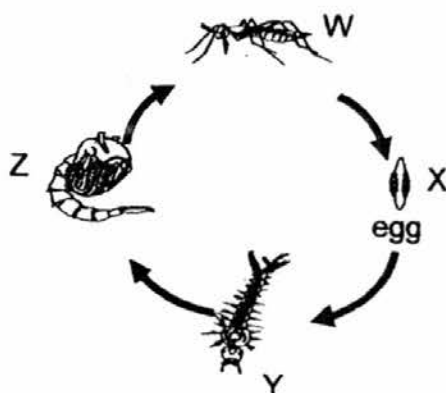
- a) Arrange the stages, A, B, C and D in the correct order to show how a bean seed grows into a seedling. (1m)



- b) For diagram A, how does the seedling obtain its food to grow? (1m)

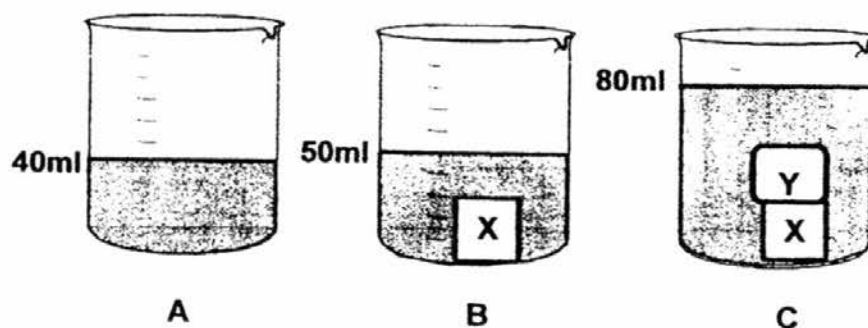
---

The diagram shows the life cycle of a mosquito.



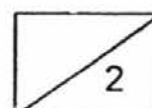
- c) Identify stage Z. (1m)
- 
- d) At which stage, W, X, Y or Z, is the mosquito most harmful to people?  
Why? (1m)
- 
-

13. Xi Min prepared three identical measuring cylinders, A, B and C. She poured an equal amount of water into each cylinder. She then placed blocks X and Y into the cylinders as shown below.



- a) Based on the above, for each of the following statements, put a tick ( $\checkmark$ ) in the appropriate boxes to indicate if it is True, False or Not possible to tell. (2m)

		True	False	Not possible to tell
(i)	The mass of block X is 10g.			
(ii)	The volume of block Y is the same as the volume of water in cylinder A.			



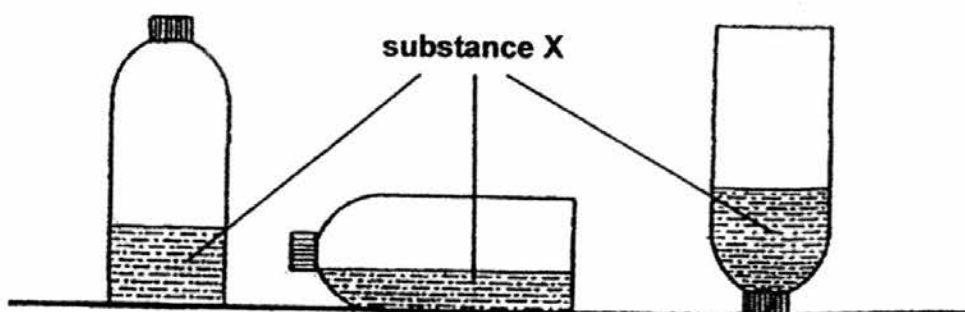
b) Study the table carefully. W, X and Y represent the three states of matter.

W	X	Y
No definite volume	Definite volume	Definite volume
No definite shape	No definite shape	Definite shape

Complete the table by writing W, X or Y in the correct boxes. (1m)

Item	W, X or Y?
ice	
oxygen	

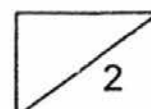
c) The diagram shows the changes to substance X when the bottle is placed in three different positions.



What does this show about the property of substance X? (1m)

---

\*\*\*END OF PAPER\*\*\*  
 ☺☺☺ PLEASE CHECK YOUR WORK. ☺☺☺



**EXAM PAPER 2016**

**LEVEL : PRIMARY 4**

**SCHOOL : RED SWASTIKA SCHOOL**

**SUBJECT : SCIENCE**

**TERM : CLASS TEST 1 (CA1)**

<b>Q 1</b>	<b>Q 2</b>	<b>Q 3</b>	<b>Q 4</b>	<b>Q 5</b>	<b>Q 6</b>	<b>Q 7</b>	<b>Q 8</b>	<b>Q 9</b>
<b>2</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>3</b>

**Q10a) Material B is flexible but not waterproof.**

**Q10b) Material B.**

**Q11a) At X: South                      At Y: North**

**Q11b) The aluminium rod will not be attracted to pole X as aluminium is a non-magnetic material.**

**Q12a) B → D → C → A**

**Q12b) When it has its true leaves, it would trap sunlight to make food.**

**Q12c) Pupa stage**

**Q12d) W. At stage W, it would fly around biting people, the other stages would be on the water.**

**Q13ai) Not possible to tell.**

**Q13aii) False**

**Q13b) Ice – Y                      Oxygen – W**

**Q13c) It has no definite shape but has no definite volume.**