Maha Bodhi School
2008 Continual Assessment 1
Science

Name: _____( )

Class: Pri 4 _____

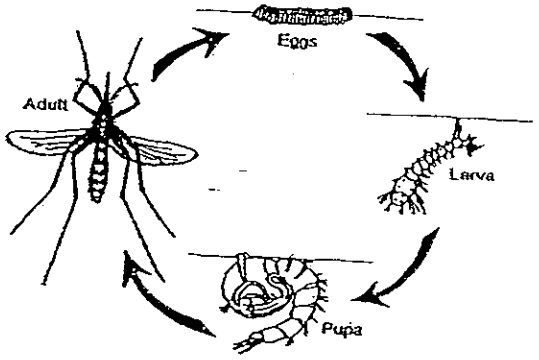
Date: 29 Feb 2008

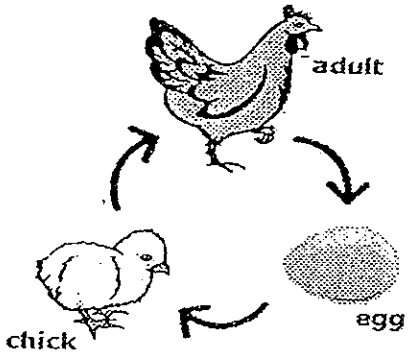
Duration: 1 hr 15 min
(Part I & II)

Part I: [40 marks]

For each question from 1 to 20, four 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) on the Optical Answer Sheet (OAS).

1. All living things go through stages of development as they grow.

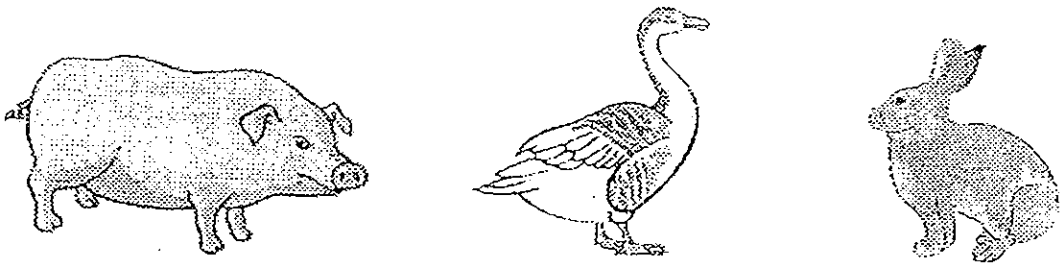




The stages of development for each living thing shown in the above diagram are also known as the _____ of the living things.

(1) life
(2) cycle
(3) life-cycle
(4) complete circle

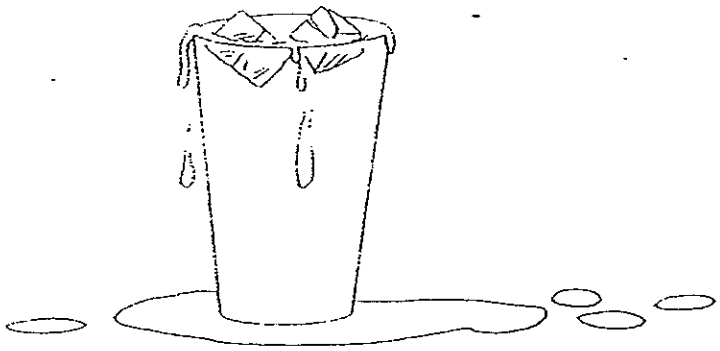
2. Study the diagram below.



Which one of the following statements is **true** about the young of these living things?

(1) The young goes through the same life cycle as its parents.
(2) The young goes through a longer life cycle than its parents.
(3) The young goes through a shorter life cycle than its parents.
(4) The young goes through a different life cycle from its parents.

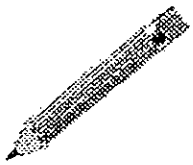
3. Mary filled a glass with water to the brim. She then put two ice cubes into the glass of water as shown in the diagram below. The water overflow and spill onto the table.



Which one of the following statements **correctly** shows Mary's observation?

(1) Matter has mass.
(2) Matter occupies space.
(3) Matter is all around us.
(4) Matter exists in three states.

4. Study the objects shown below.



Pencil

coffee

ruler

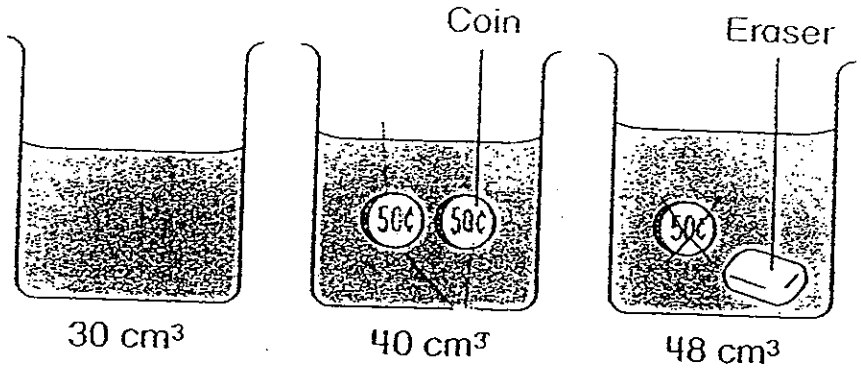
balloon

Which of the following statements are **true** about the objects?

(A) They have mass.
(B) They occupy space.
(C) They are of the same size.
(D) They are made from the same material.

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

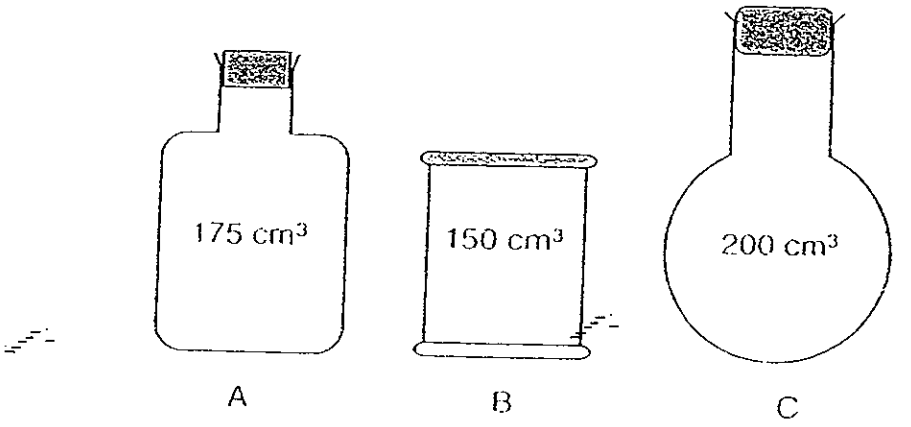
5. Jenny wanted to find the volume of some 50-cents coins and an eraser. She carried out an experiment using the set-up shown below.



Based on the diagram above, what is the volume of the eraser and **one** 50-cent coin?

	Volume of	
	Eraser	**One 50-cent coin**
(1)	5 cm^3	8 cm^3
(2)	8 cm^3	18 cm^3
(3)	13 cm^3	5 cm^3
(4)	18 cm^3	13 cm^3

6. Study the diagram below of three different containers A, B and C.



Which of the following containers can hold 220 cm^3 of air?

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

7. David wanted to measure the volume of pond water that he collected from his school's ecogarden.

Which one of the following units should he used?

(1) Gram
(2) Kilogram
(3) Kilometre
(4) Cubic centimetre

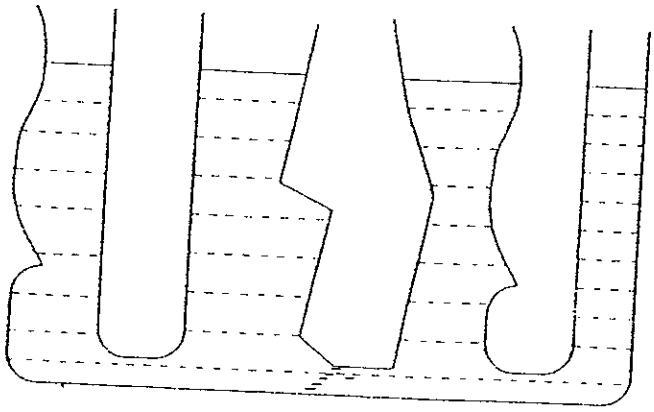
8. Alicia wrote down three statements she knew about solids, liquids and gases.

Which of the following statements are **correct**?

(A) Solids cannot be compressed.
(B) Gases can be compressed easily.
(C) Liquids can be compressed easily.

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

9. Study the diagram below.



Which one of the following statements **correctly** describes the liquid in the diagram?

(1) Liquid can be compressed.
(2) Liquid has no definite volume.
(3) Liquid takes the shape of its container.
(4) Liquid does not take the shape of its container.

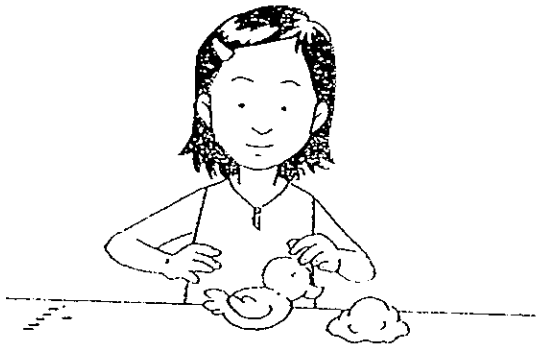
10. Samuel wanted to identify A, B, C and D as shown in the table below.

	Matter	Definite shape	Definite volume	Can be compressed
A	√	X	√	X
B	√	X	X	√
C	X	X	X	X
D	√	√	√	X

Which one of the following lists **correctly** represents letters A, B, C and D?

	A	B	C	D
(1)	Carbon dioxide	Light	Ice cube	Water
(2)	Water	Carbon dioxide	Light	Ice cube
(3)	Light	Water	Carbon dioxide	Ice cube
(4)	Water	Ice cube	Light	Carbon dioxide

11. Helen took a piece of plasticine and used all of it to make a duck as shown in the diagram below.

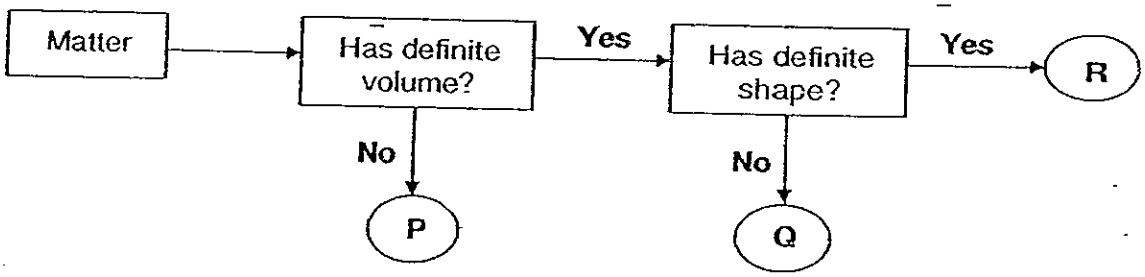


Which of the following properties of the plasticine were **not** changed?

(A) Mass
(B) State
(C) Shape
(D) Volume

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

12. Study the flowchart below.



What could **P**, **Q** and **R** possibly be?

	P	Q	R
(1)	Gas	Solid	Liquid
(2)	Solid	Liquid	Gas
(3)	Liquid	Gas	Solid
(4)	Gas	Liquid	Solid

13. Which one of the following groups is made up of **only** non-living things?

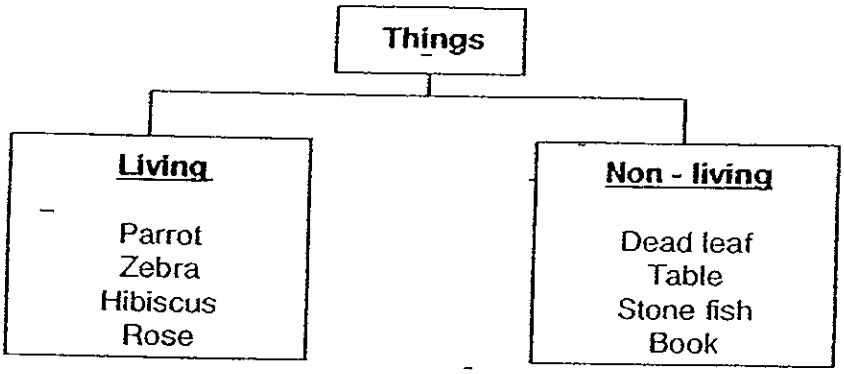
(1)	Plate	Rose plant	Goldfish
(2)	Flower pot	Fish tank	Spoon
(3)	Butterfly	Mushroom	Earthworm
(4)	Papaya plant	Button	Bird's nest fern

14. Which of the following statements are **true** of all living things?

(A) They can grow.
(B) They can reproduce.
(C) They can move by themselves.
(D) They need air, food and water.

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

15. Study the classification table below.



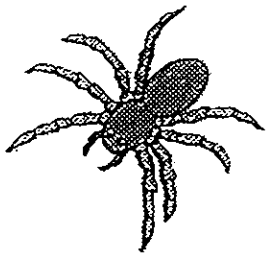
Which one of the following things is **wrongly** grouped?

(1) Rose
(2) Zebra
(3) Stone fish
(4) Dead leaf

16. Which one of the following animals does **NOT** belong to the same group as the rest?

(1)

(2)



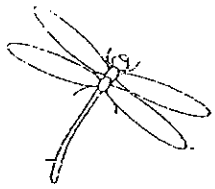
(3)

(4)

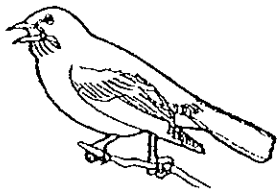
17. Which one of the following statements is **NOT** true about fish?

(1) A fish has fins.
(2) A fish lays eggs.
(3) A fish body is covered with scales.
(4) A fish has lungs to help it to breathe.

18. Study the two animals shown below.



Dragonfly



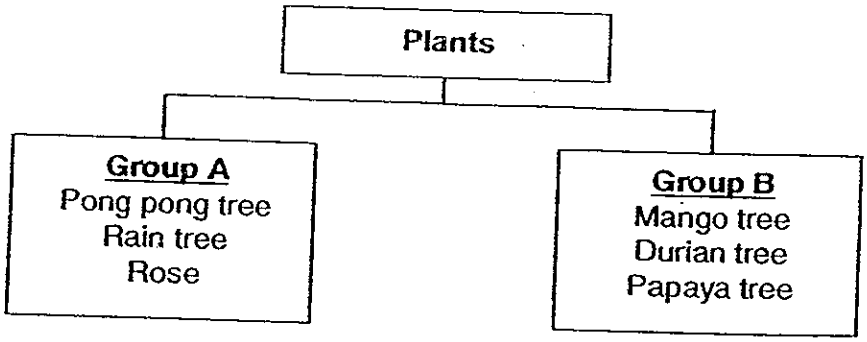
Bird

Which of the following statements about the two animals are **true**?

(A) Both of them can fly.
(B) Both of them lay eggs.
(C) Both of them give birth to their young.
(D) Both of them are covered with feathers.

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

19. Some plants are classified into 2 groups as shown below.

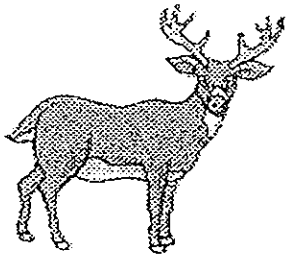


Which one of the following pairs can be placed in Group A and B?

	Group A	Group B
(1)	Angsana tree	Rambutan tree
(2)	Bird's nest fern	Mushroom
(3)	Banana tree	Orchid plant
(4)	Hibiscus	Flame of the forest

20. Which one of the following animals gives birth to its young alive?

(1)



(2)

(3)

(4)

END OF PAPER I

Maha Bodhi School
2008 Continual Assessment 1
Science

Name: _____( )

Class: Pri 4 _____

Duration: 1 h 15 min (Part I &II)

Date: 29 February 2008

Parent's Signature: _____

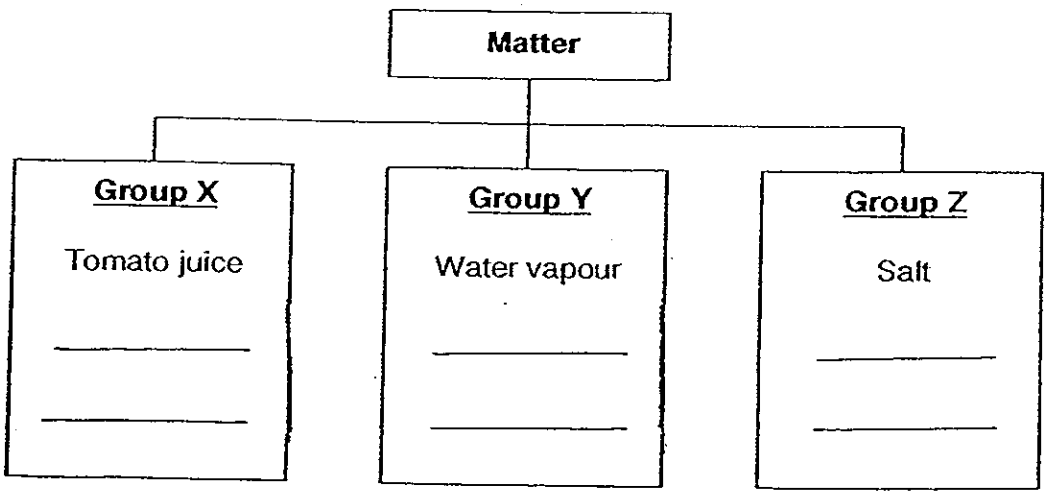
Part I	(40 marks)
Part II	(40 marks)
Part I & II	(80 marks)
CA1	(100 marks)

Part II: [40 marks]

Write your answers to questions 21 to 30 in this script.

21(a). Study the list of things given in the box below and complete the classification table below. [3]

Coffee	Honey	Carbon dioxide
Ice-cube	Oxygen	Sugar



(b) Give a suitable heading for Group X, Y and Z. [3]

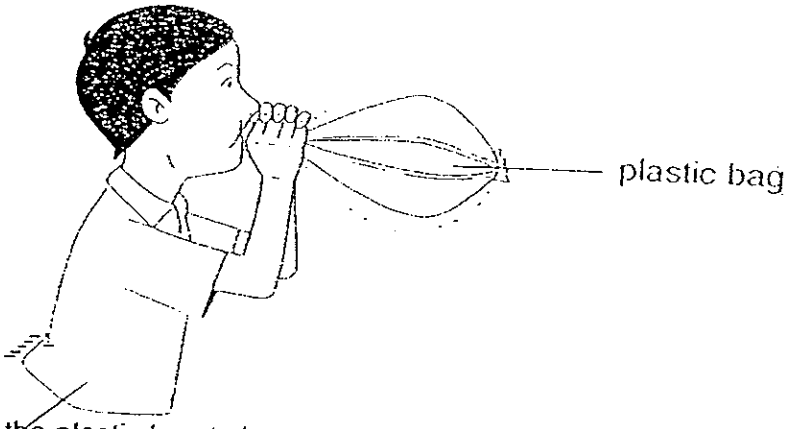
(i) Group X: _____

(ii) Group Y: _____

(iii) Group Z: _____

6

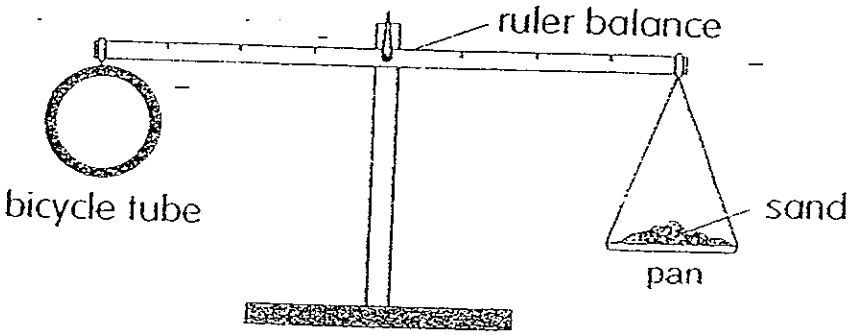
22. Melvin blows up a plastic bag as shown in the diagram below.



(a) What caused the plastic bag to become bigger? [1]

(b) What can you conclude about matter from the experiment? [1]

23. Jonathan pumped up a bicycle tube and then balanced it as shown in the diagram below.



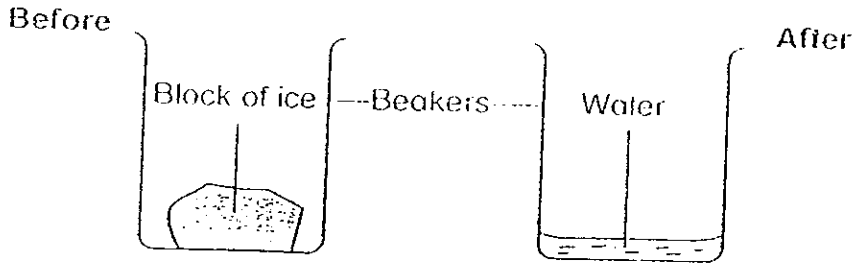
(a) What will happen to the pan of sand when the air is release from the tube? [1]

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

(c) What can he do to the pan of sand in order for the two sides to balance again? [1]

6

24. Bernard placed a block of ice in a beaker as shown in the diagram below. He left it on the kitchen table and returned one hour later to find that there was only some water left in the beaker.



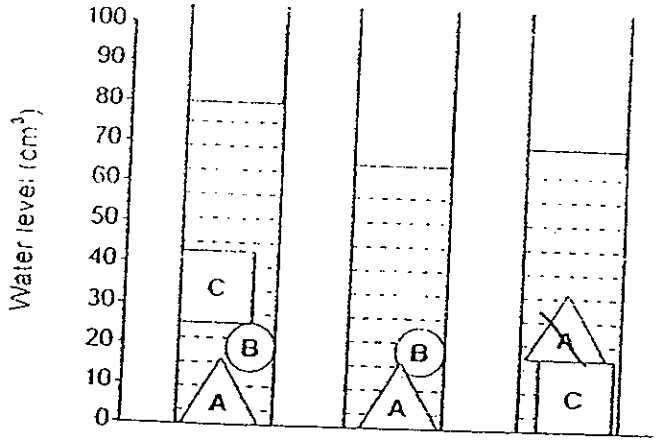
(a) What states of matter are the block of ice and the water in? [2]

(i) Block of ice : _____

(ii) Water : _____

(b) From the experiment above, state **one** difference between the block of ice and the water? [2]

25. William wants to find the volume of three objects A, B and C. He fills three measuring cylinders of the same size with water. The diagram below shows the water level when the three objects A, B and C are placed in the measuring cylinders. Objects A and C have the **same** volume.



(a) Find the volume of Objects B and C. [3]

(i) Object B : _____

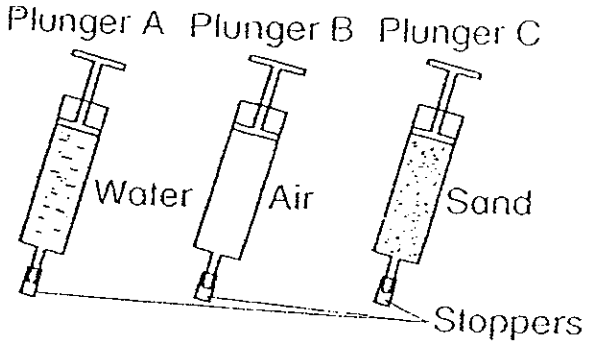
(ii) Object C : _____

(b) What is the amount of water at the start of the experiment? [1]

The volume of water at the start of the experiment is _____

8

26. Leslie filled three similar syringes A, B and C, with water, air and sand as shown in the diagram below. He tried to push in plungers A, B and C.



(a) Which plunger will he be able to push in? [1]

_____

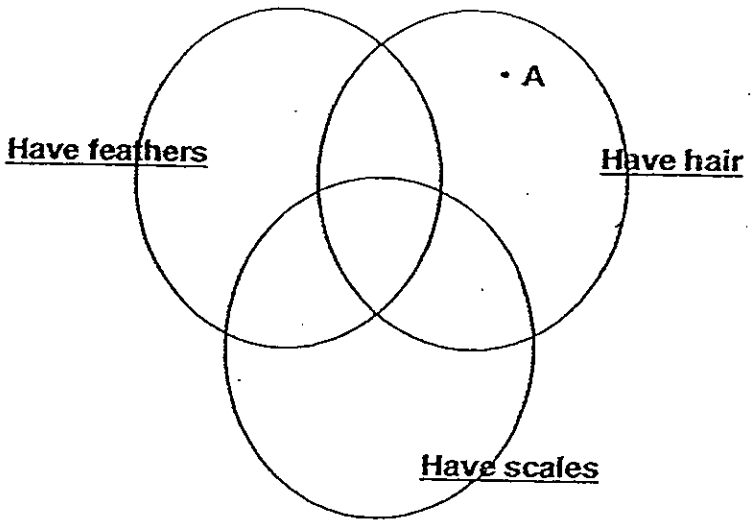
(b) What can you conclude from the above experiment? [2]

_____

_____

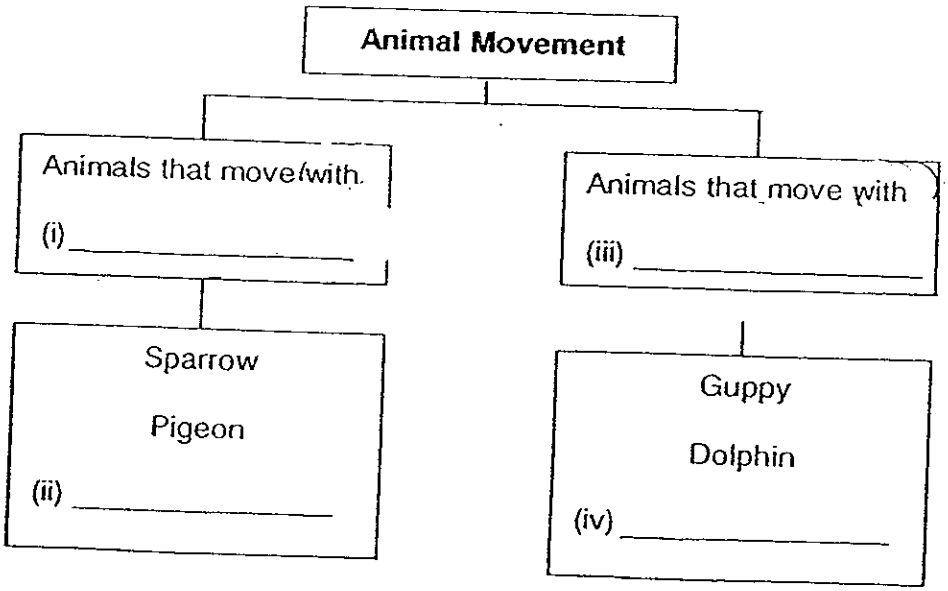
27. The Venn diagram below shows how the animals can be classified according to their body coverings.
Write the **letters** that represent the following animals to show their body coverings in the Venn diagram. Place a dot (.) before the letter of each animal in the Venn diagram. An example for (A) monkey has been done for you. [6]

(P) goldfish	(Q) parrot	(R) bear
(S) chicken	(T) tiger	(U) snake

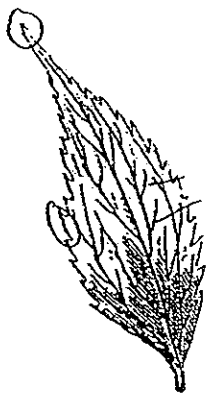


9

28. Fill in the classification table with the most suitable answers. [4]



29. Study leaf X and leaf Y shown in the diagram below.
(Do not compare the shape and size of the leaf.)



Leaf X

Leaf Y

(a) State **one** similarity between Leaf X and Leaf Y. [1]

_____

_____

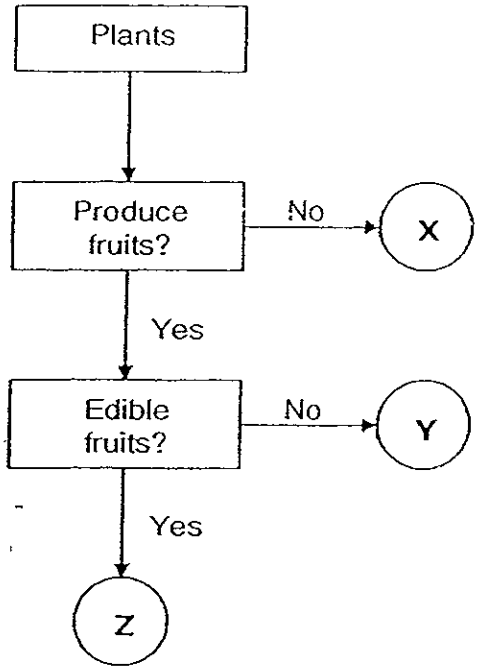
(b) State **one** difference between Leaf X and Leaf Y. [1]

_____

_____

6

30. Study the flowchart below.



(a) The table below shows two groups of plants. Based on the flowchart, **classify** Plants X, **Y** and **Z** in the classification chart below. [3]

Plants that produce fruits	**Plants that do not produce fruits**

(b) Based on the flowchart, describe Plant **Y**. [1]

_____

_____

(c) Give an example of Plant **Y**. [1]

_____

END OF PAPER

5

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : MAHA BODHI PRIMARY SCHOOL
SUBJECT : PRIMARY 4 SCIENCE

TERM : CA 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	1	2	1	3	4	4	1	3	2	3	4	2	4	3	2	4

Q18	Q19	Q20
1	1	1

21)a)Group X:coffee, Honey
Group Y:carbon dioxide, oxygen
Group Z:ice-cube, sugar
b)i)liquid
ii)Gas
iii)Solid

22)a)The air that Melvin blow into the plastic bag makes it bigger.
b)Occupies space.

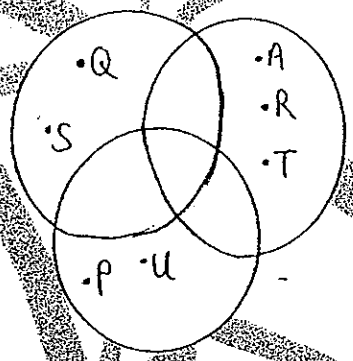
23)a)The pan of sand will go down.
b)When air is released from the bicycle tube.
c)Take some sand until they balance.

24)a)i)Solid
ii)liquid
b)The block of ice has definite shape but the water does have definite shape.

25)a)i)10cm_3
ii)15cm_3
b)40cm_3

26)a)Leslie will be able to push in plunger B.
b)Air can be compressed but water cannot.

27)



28)i)wings ii)crow
iii)fins iv)clownfish

29)a)Both leaves have veins.
b)Leaf X has jagged tooth edge while Leaf Y has entire edge.

30)a)Plant Y Plant X
Plant Z
b)Plant Y produces inedible fruits.
c)Pong Pong.

---end---