



# RAFFLES GIRLS' PRIMARY SCHOOL

## SEMESTRAL ASSESSMENT (1)

2008

Name : \_\_\_\_\_ Index No: \_\_\_\_\_ Class: P3\_\_\_\_\_

7<sup>th</sup> May 2008

SCIENCE

Att: 1 h ~~15~~<sub>30</sub> min

Section A	30	
Section B	30	
Your score out of 60 marks		
	Class	Level
Highest score		
Average score		
Parent's signature		

### SECTION A (15 x 2 marks)

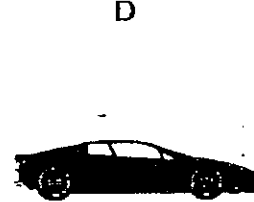
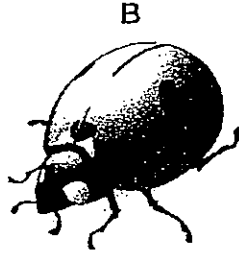
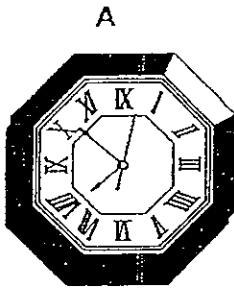
For each question from 1 to 15, four options are given.

One of them is the correct answer.

Make your choice (1, 2, 3 or 4).

Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS) provided.

1. Janet was given a list of things, A, B, C and D, as shown below.



Janet classified these things correctly into 2 different groups.

Which one of the following shows the correct classification?

	living things	non-living things
(1)	A, B	C, D
(2)	A, D	B, C
(3)	B, C	A, D
(4)	C, D	A, B

2. Which one of the following statements shows that a living thing responds to changes in its environment?

- A A chick hatches from an egg.
- B A dog hangs out its tongue on a hot day.
- C A fire grows bigger when fuel is added to it.
- D A snail gets into its shell when it is touched.

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

3. The pictures below show 2 different types of living things, X and Y, (NOT drawn to scale).



X



Y

Both X and Y \_\_\_\_\_.

- (1) make their own food
- (2) reproduce and grow
- (3) move from place to place
- (4) need direct sunlight, food and water

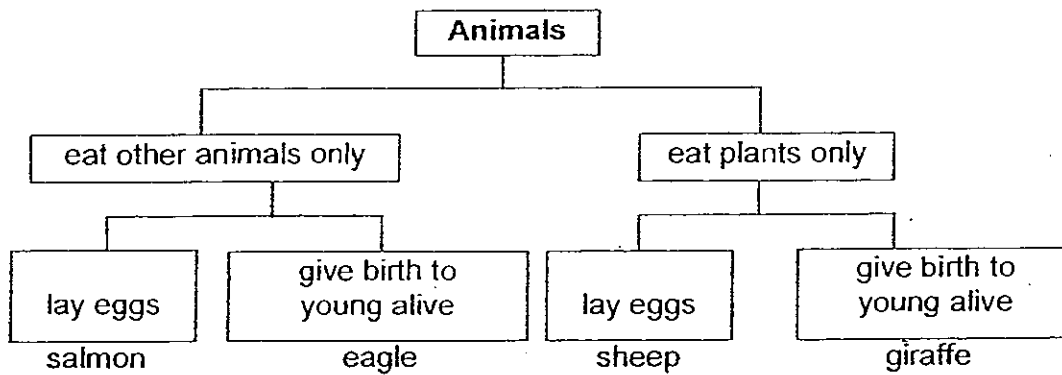
4. Jane grouped some animals correctly into two groups, X and Y.

Animals	
Group X	Group Y
frog	whale
duck	polar bear
platypus	water snake

Which one of the following shows correctly how Jane grouped these animals?

	Group X	Group Y
(1)	can swim	cannot swim
(2)	has webbed feet	has no webbed feet
(3)	has hair on its body	has no hair on its body
(4)	can breathe in water	cannot breathe in water

5. The diagram below shows how some animals are classified.



Which one of the following pairs of animals has been **WRONGLY** classified?

- (1) eagle and sheep
- (2) eagle and giraffe
- (3) salmon and sheep
- (4) salmon and giraffe

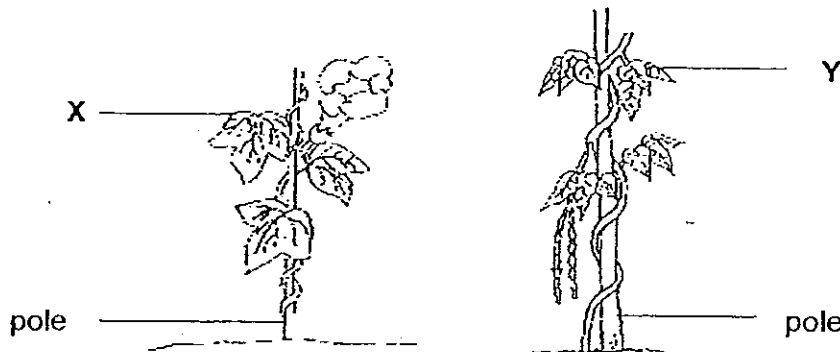
6. Nicole described an animal as follows:

- It has wings.
- It does not lay eggs.
- It has hair on its body.

Which one of the following animals best fits Nicole's description?

- (1) a bat
- (2) a duck
- (3) a chicken
- (4) a penguin

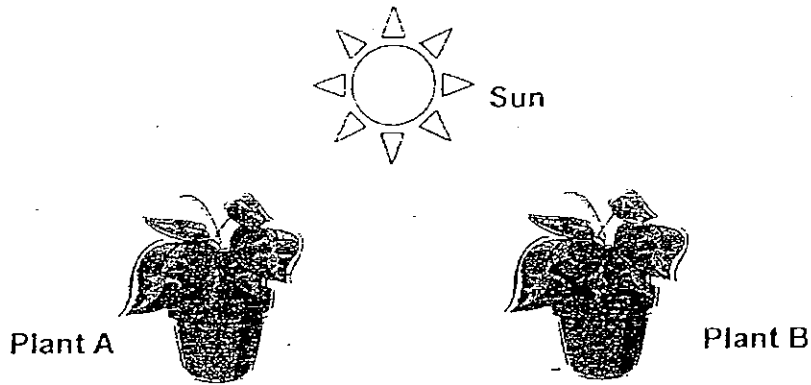
7. The diagram below shows two plants, X and Y, growing in a garden.



Which one of the following statements about both plants, X and Y, is **NOT** correct?

- (1) Both have roots.
- (2) Both reproduce by spores.
- (3) Both make their own food.
- (4) Both need support to grow.

8. Two pots of plants, A and B, were left in the garden. Plant A was NOT watered at all but Plant B was watered every two days.



If it did NOT rain at all during the period when the pots were left in the garden, what would happen to the two potted plants, A and B, at the end of this period?

	Plant A	Plant B
(1)	Most leaves would dry up.	More leaves would grow.
(2)	More leaves would grow.	More leaves would grow.
(3)	More leaves would grow.	Most leaves would dry up.
(4)	Most leaves would dry up.	Most leaves would dry up.

9. Leela saw a plant X in the garden as shown below.



plant X

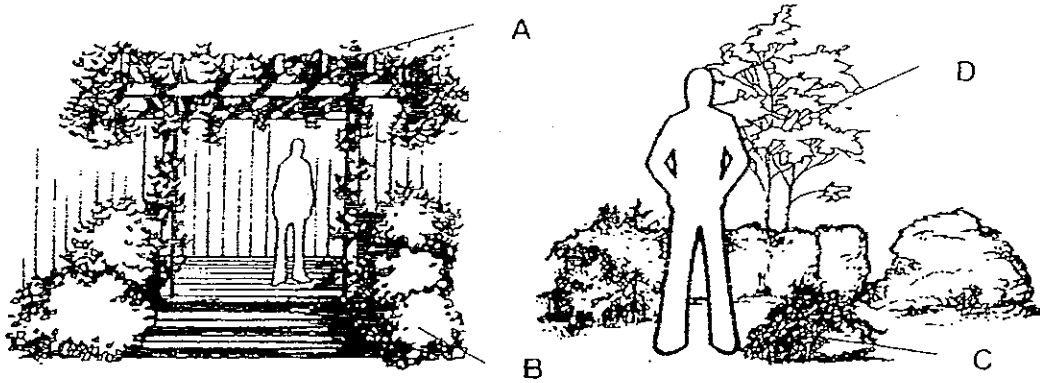
Leela made the following statements about this plant.

- A It bears flowers.
- B Its leaves are palm-shaped.
- C Its leaves are jagged edged.

Which of the following statements made by Leela are correct?

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

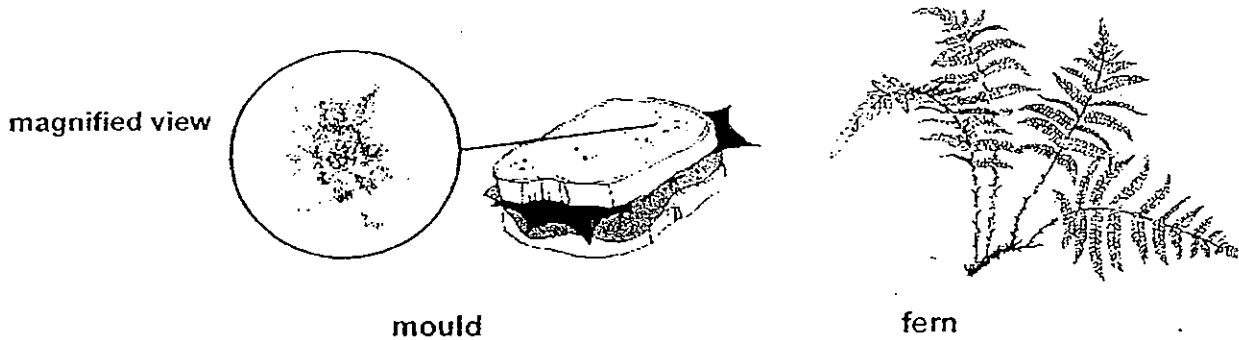
10. The diagrams below show different kinds of plants, A, B, C and D.



Based on the pictures given above, which one of the following classification of these plants is correct?

	shrub	tree	climber
(1)	C	A, B	D
(2)	A	D	B, C
(3)	A	B, D	C
(4)	B, C	D	A

11. The pictures below show the mould and a fern.

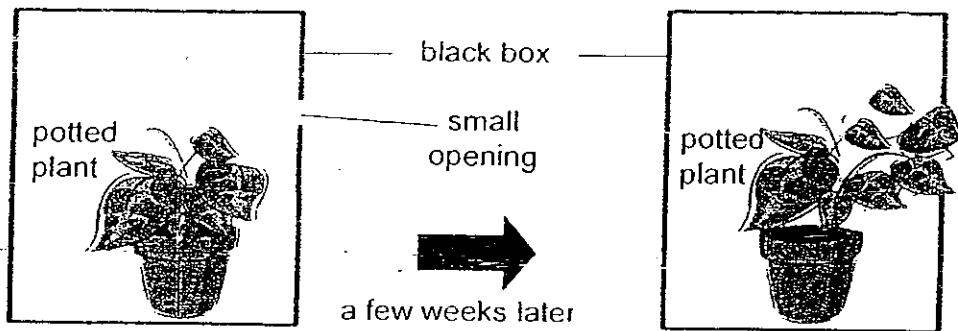


Which one of the following shows the correct comparison?

	similarity	difference
(1)	Both are non-flowering plants.	Mould reproduces by spores but the fern reproduces by seeds.
(2)	Both are fungi.	Mould does <b>NOT</b> make its own food but the fern does.
(3)	The spores of the mould and seeds of the ferns are carried by wind.	Mould reproduces by spores but the fern reproduces by seeds.
(4)	Both reproduce by spores.	Mould does <b>NOT</b> make its own food but the fern does.

12. Jenny put a potted plant in a black box with a small opening on one of its sides. She placed the black box next to an open window for a few weeks.

After a few weeks, Jenny noticed that the plant had started to grow towards the opening of the black box.



Which one of the following statements is the best explanation for Jenny's observation of her plant?

- (1) The plant needed more water.
  - (2) The plant needed sunlight to grow.
  - (3) - The plant needed the support from the box.
  - (4) The leaves of the plant needed more space to grow.
13. A group of pupils made the following statements about fungi.

Tessa : They get their food from decaying organisms.

Reanne: They do not contain chlorophyll.

Sahana: They are living organisms.

Jolene : They are poisonous.

Which one of the following pupils made the **WRONG** statement?

- (1) Tessa
- (2) Reanne
- (3) Sahana
- (4) Jolene

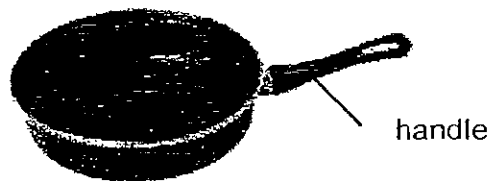


14. An object was dropped to the ground from a height of two storeys. The object broke into several tiny pieces after it hit the ground.

Which one of the following objects could it be?

- (1) a metal coin
- (2) a glass bottle
- (3) a rubber shoe
- (4) a sheet of paper

15. The handle of a frying pan, as shown below, is made of hard plastics.

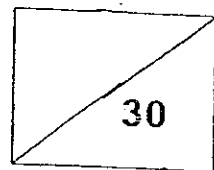


Why is the handle of the frying pan made of hard plastics?

- A It is waterproof.
- B It does **NOT** melt easily.
- C It gets heated up quickly.
- D It does **NOT** allow heat to pass through easily.

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

Name : \_\_\_\_\_ Index No: \_\_\_\_\_ Class: P3 \_\_\_\_\_

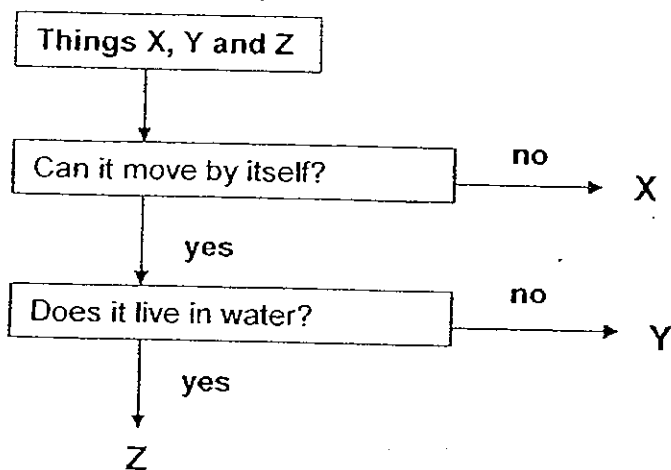


**SECTION B (30 marks)**

For questions 16 to 25, write your answers clearly in the spaces provided.

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

16. The diagram below shows how some things are differentiated.



Based on the information above, answer the following questions:

- (a) Write the letters, X, Y and Z, in the correct boxes below. Use each letter **ONCE** only.

[ 1 ]

goldfish	stone	monkey

- (b) State **ONE** way in which classifying things around us can help us. [ 1 ]

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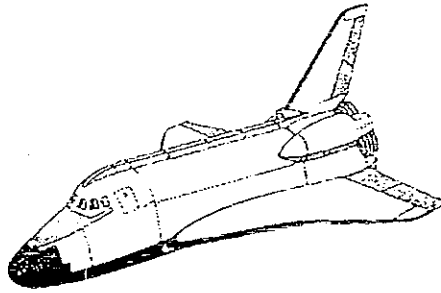
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17. John left some seeds on a plate with a piece of damp cotton wool on a table near the window. After 2 weeks, he noticed that the seeds had developed their roots and leaves.

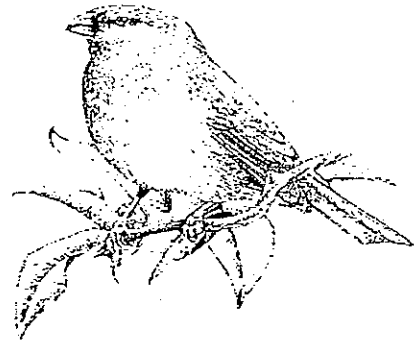
Based on the information given above, name **TWO** conditions that were provided for the seeds to grow. [ 2 ]

1 <sup>ST</sup> CONDITION	
2 <sup>ND</sup> CONDITION	

18. John saw two things, X and Y (**NOT** drawn to scale), flying in the sky.



X



Y

Based on your observations of X and Y, answer the following questions:  
(Do **NOT** compare their shapes, sizes and colours.)

- (a) State one **OTHER** similarity between X and Y.-

[1]

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- (b) State **TWO** differences between X and Y.

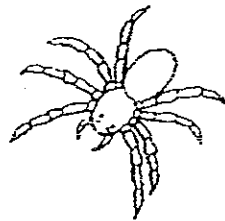
[1]

1 <sup>ST</sup> DIFFERENCE	
2 <sup>ND</sup> DIFFERENCE	

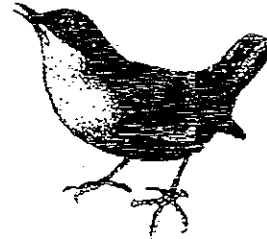
19. Azura were given some cards of animals, A, B, C, D, E and F (NOT drawn to scale), as shown below.



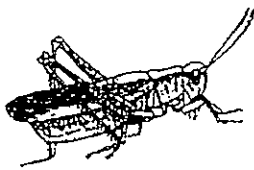
A



B



C



D



E

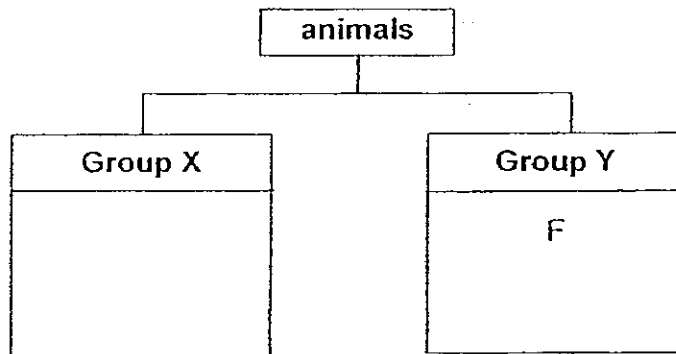


F

- Azura drew a table as shown below to group these animals into 2 different groups.

- (a) Complete the table below using letters A, B, C, D and E.  
The letter, F, is done for you.

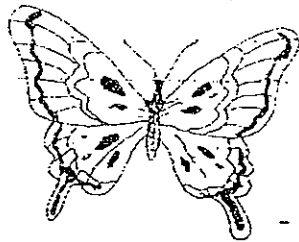
[ 1 ]



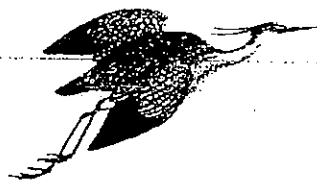
- (b) State ONE common characteristic among the animals in each group, X and Y. [2]

Group X	
Group Y	

Azura were given ANOTHER 3 cards of animals as shown below.



X

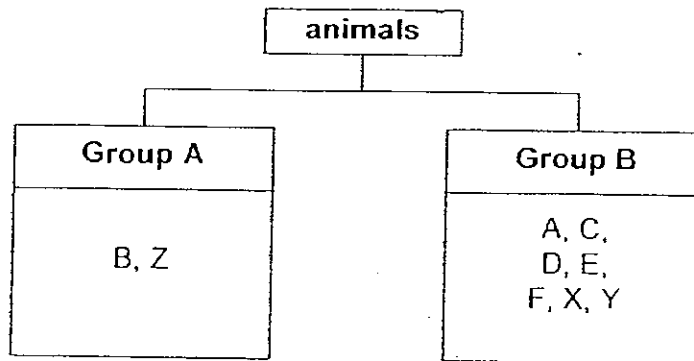


Y



Z

This time she reclassified them according to ANOTHER diagram as follows:



- (c) State ONE common characteristic among the animals in each group, A and B. [2]

Group A	
Group B	

(d) Name **ANOTHER** animal which can be put in each group, A and B. [ 2 ]

Group	An example of animal
A	
B	

20. Rachel saw an earthworm curl itself up when she touched it. She asked her friends to explain why the earthworm did it.

Her friends made the following statements to explain.

Amanda : The earthworm is going to lay eggs.

Iman : It wants to hide away from danger.

Vivien : The earthworm is feeling cold.

(a) Which one of Rachel's friends gave the correct explanation? [ 1 ]

\_\_\_\_\_

(b) The earthworm curled itself up when touched is an example of how living things [ 1 ]

\_\_\_\_\_

(c) Give an example of how **OTHER** living things show such a characteristic in (b). [ 1 ]

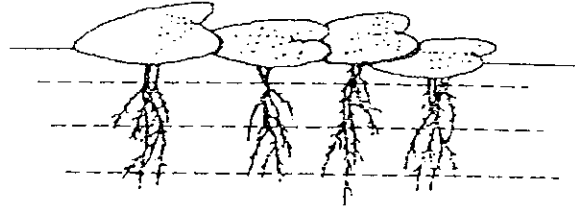
\_\_\_\_\_

\_\_\_\_\_

21. Jason had some picture cards of plants as shown below.



A



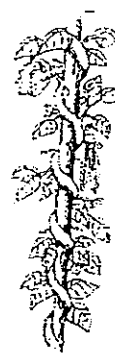
grow in water

B



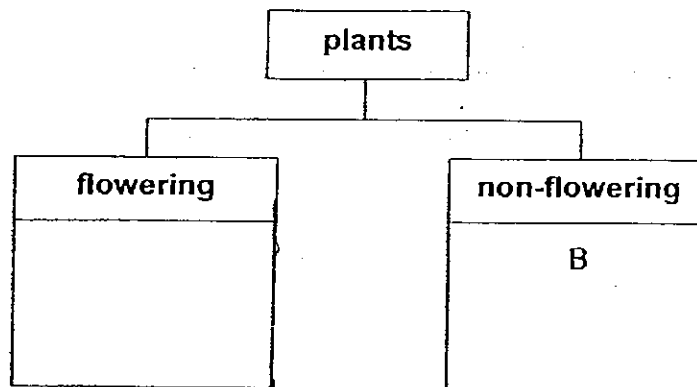
reproduce by spores

C



D

He classified these plants according to the diagram as shown below.



(a) Complete the diagram above using the letters A, C and D.  
The letter B is written for you.

[ 1 ]



Jason reclassified these plants based on 2 different characteristics using the table below.

plants	Group Y	B
	Group Z	A,C,D

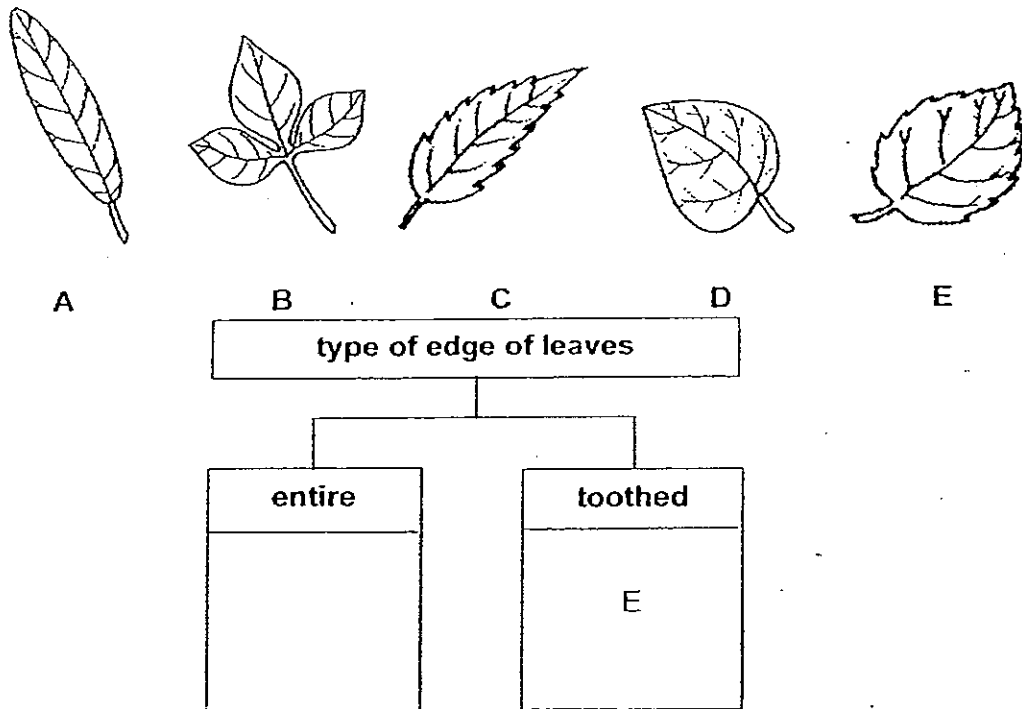
(b) Based on the table above, how did Jason reclassify these plants? [ 1 ]

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22. Ravi picked up some leaves from his garden. He classified them according to the type of edge of the leaves as shown in the diagram below.



(a) Complete the diagram above using letters A, B, C and D. The letter E is done for you. [ 2 ]

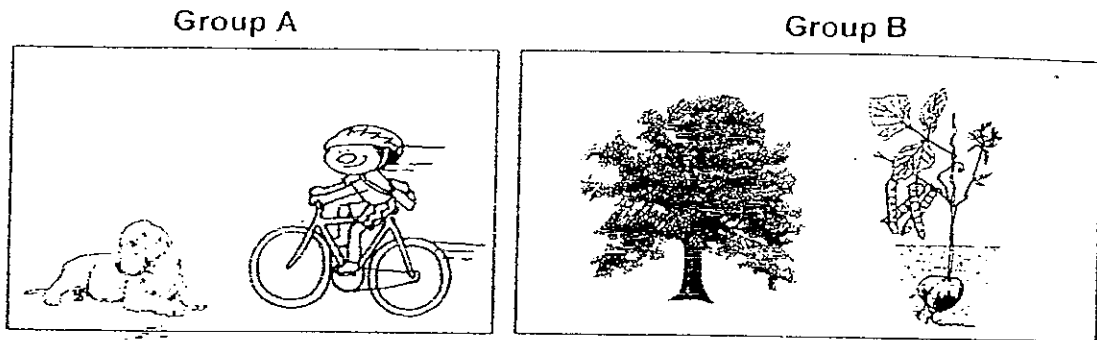
(b) State ONE similarity among all the leaves. [ 1 ]

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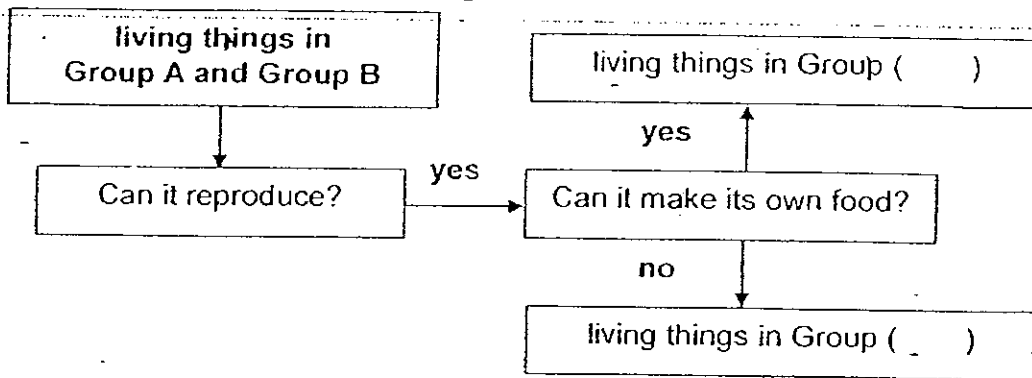


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23. Mary classified some living things into 2 groups, A and B, as shown below.



Mary used the following diagram to differentiate the 2 groups, A and B.



Based on the diagram above, answer the following questions:

(a) Complete the diagram above using letters A and B in the appropriate brackets. [ 1 ]

(b) State ONE common characteristic between the living things in Groups A and B. [ 1 ]

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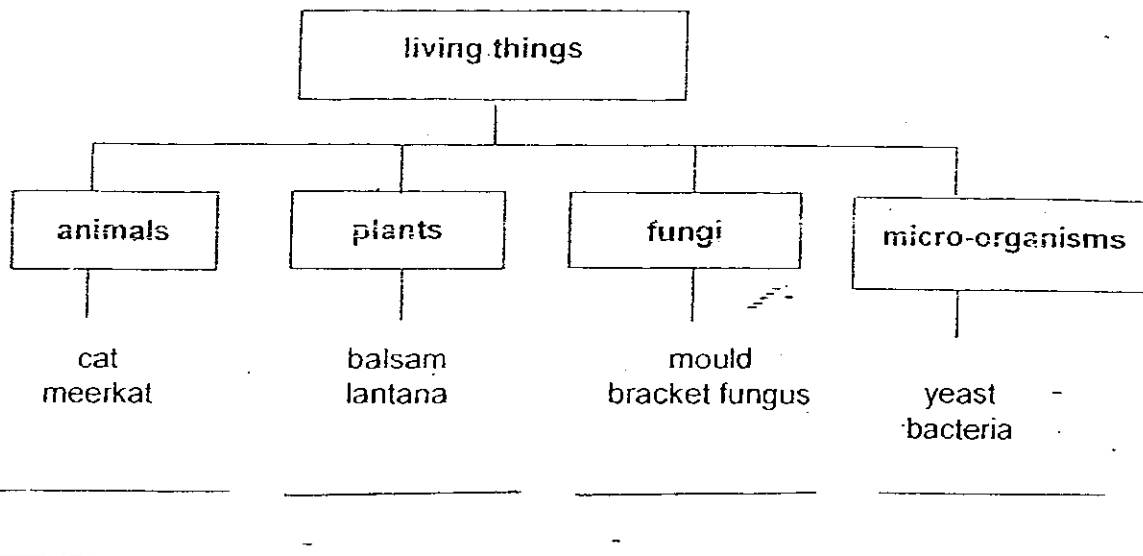
(c) State ONE difference between the living things in Groups A and B. [ 1 ]

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24. Some living things are classified as shown in the diagram below.



Based on the diagram above, answer the following questions:

(a) Write each of the following living things on the lines provided below the appropriate group of animals to complete the diagram: [ 2 ]

(i) mosquito fern

(ii) mushroom

(b) Name a type of food which is made with the help of yeast. [ 1 ]

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25. Some things, made of natural materials, are classified as shown in the diagram below.

Things	
Group A	Group B
book envelope magazine	scarf skirt T-shirt

Based on the information above, answer the following questions:

- (a) Give a suitable sub-heading for each group of things. [1]

<b>Group A</b>	
<b>Group B</b>	

- (b) In which group should "toilet paper" be placed? [1]  
Write "toilet paper" in the appropriate box above.

- (c) Both Groups A and B have one **OTHER** common characteristic. [1]  
Name this common characteristic.

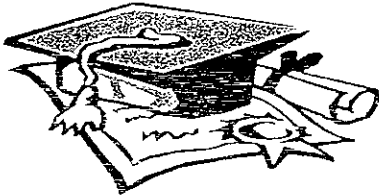
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- END OF PAPER -

Setters: Mr Ronald Lee  
Mrs Elaine Lim  
Mdm Prisca Fernandez



# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL  
SUBJECT : PRIMARY 3 SCIENCE

TERM : SA 1

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

16)a) Z, X, Y      b) Classifying things can help us find things easily.

17) 1<sup>st</sup> : Warmth      2<sup>nd</sup> : Water

18)a) They have wings.

b) 1<sup>st</sup> : Y has legs but X does not have legs.

2<sup>nd</sup> : Y has a beak but X does not have a beak.

19)a) Group X: C, A, E      Group Y: F, B, D

b) Group X: They lay eggs

Group Y: They have no beaks.

c) Group A: They have no wings.

Group B: They have wings.

d) Group A: termite.

Group B: Beetle.

20)a) Iman.

b) Respond to changes around them.

c) A mimosa closes its leaves when we touch it.

21) a) flowering                      non-flowering

B

B

A

C

b) Group Y consists of water plant group Z consist of land plant.

22) a) entire

toothed

A

E

B

C

D

b) They have network veins.

23) a) Living things in Group (B)

Living things in Group (A)

b) They reproduce.

c) Group A more freely from place to place but not group B.

24) a) Plants: mosquito fern

Fungi : mushroom

b) Bread.

25) a) Group A: wood (paper)

Group B: fabric

b) Group A

c) They are non-living things.

---end---