

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1, 2015

PRIMARY THREE

SCIENCE

BOOKLET A

NAME : _____

CLASS : P3 _____

DATE : 14 May 2015

TOTAL TIME FOR BOOKLETS A & B: 1 hour

INSTRUCTIONS TO PUPILS

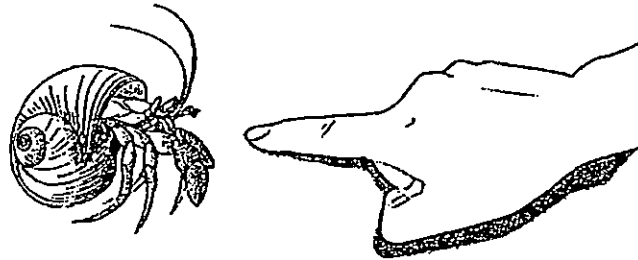
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

ANSWER ALL QUESTIONS.

Section A (15 x 2 = 30 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.

1. The hermit crab pulled its head and legs inside its shell when James touched it.



This shows that the hermit crab is a living thing because it can _____.

- (1) grow
- (2) reproduce
- (3) move from one place to another
- (4) respond to changes around them

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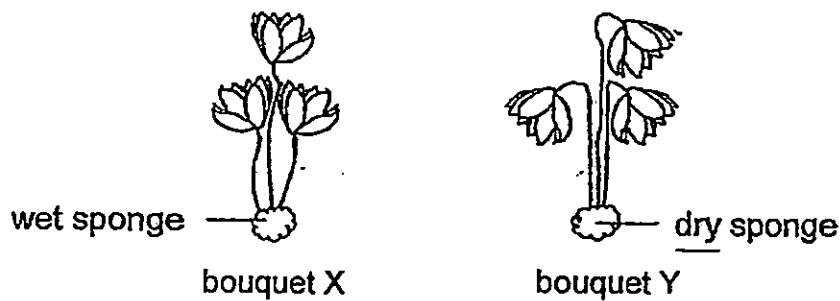
2. Which of the following characteristics do birds have?

- A They lay eggs.
- B They have 4 legs.
- C They have 3 body parts.
- D They are covered with feathers.

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

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3. Study the pictures of bouquets X and Y carefully. The same flowers are used in both bouquets with their roots removed.

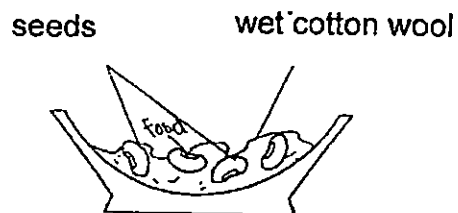


2 days later, the flowers in bouquet Y withered and died while those in bouquet X remained fresh.

Based on the diagram above, why did the flowers in bouquet Y wither and die?

- (1) The flowers had no soil.
- (2) The flowers had no root..
- (3) The flowers had no water.
- (4) The flowers had no mineral salts.

Some seeds were left to germinate near an open window.

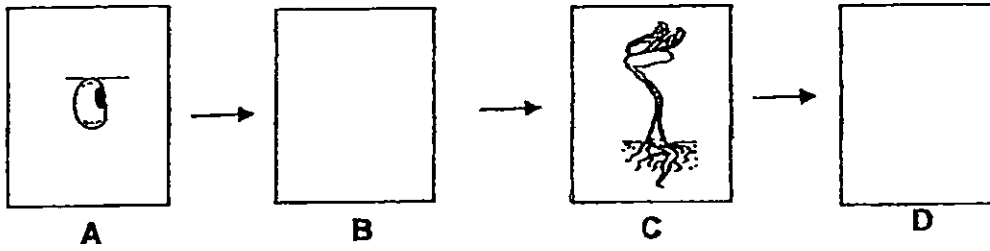


After 3 days, there was still no sign of any germination.

Which one of the following statement best explains this observation?

- (1) The seeds were not soft enough.
- (2) The seeds did not have enough air.
- (3) The seeds did not have enough food..
- (4) The seeds were no longer living things.

5. The diagram below shows the growth of a young plant with two missing stages, B and D.



Which one of the following shows the correct stages for B and D?

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

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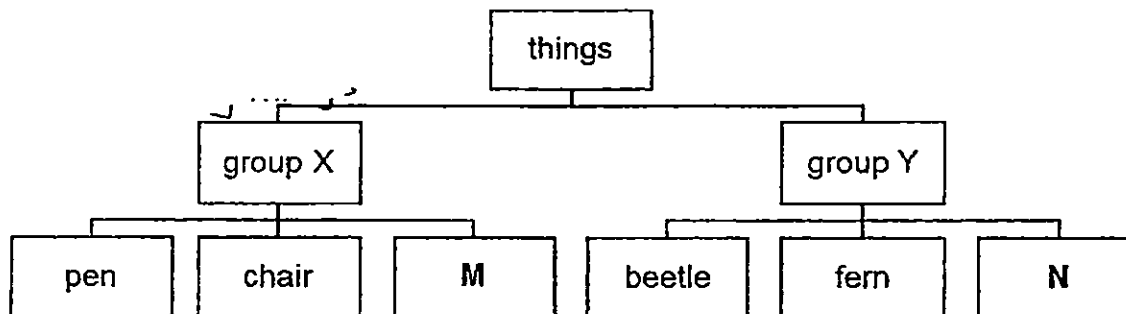
6. Sophie classified some animals in the table shown below.

group A	group B
toad	dog
butterfly	dolphin

Which of the following are the correct headings for group A and group B?

	group A	group B
(1)	plant eaters	animal eaters
(2)	breathe through gills	breathe through lungs
(3)	lay eggs	give birth to young alive
(4)	live on land only	live in water only

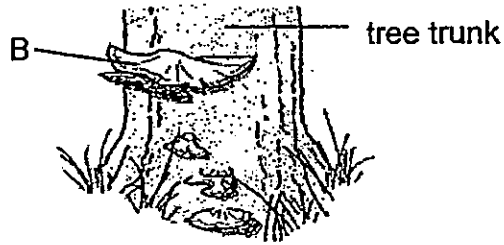
7. Kai En grouped some things as shown in the classification chart below.



What could M and N likely to be?

	M	N
(1)	stone	paper clip
(2)	mushroom	bicycle
(3)	chicken	guppy
(4)	paper	rose plant

8. The diagrams below show two living things, A and B.



Which of the following statements about these living things is/are true?

- A They reproduce by spores.
 - B They need sunlight to make food.
 - C They feed on other living things, which may be dead or alive.
- (1) A only
- (2) A and C only
- (3) B and C only ()
- (4) A, B and C

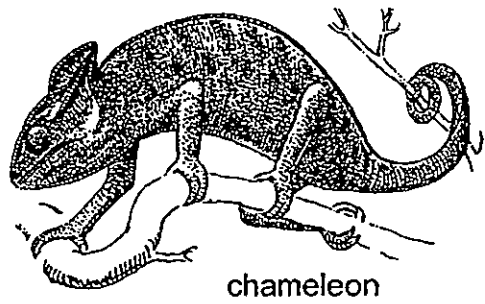
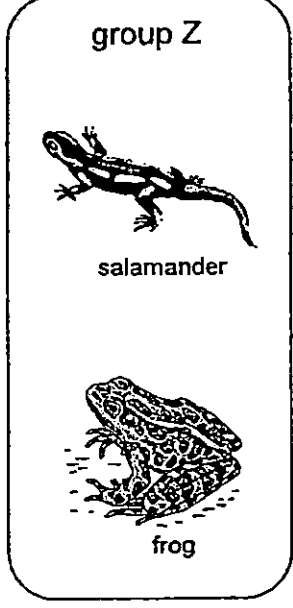
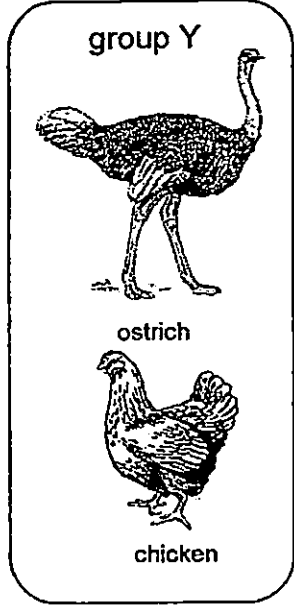
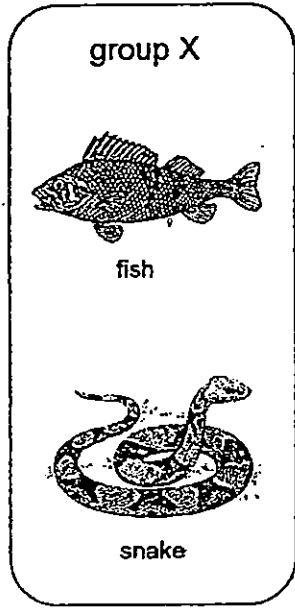
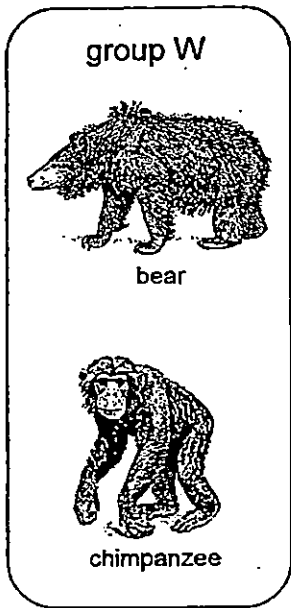
9. Faridah wanted to find out what is needed for bread mould to grow. The table below shows the conditions under which 4 similar slices of bread, P, Q, R and S were kept.

Bread	Conditions			
	Dry	Moist	Dark	Warm
P		✓	✓	✓
Q	✓			✓
R		✓	✓	
S	✓		✓	✓

Which bread, P, Q, R or S will become mouldy **first**?

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

10. The animals are grouped according to their similarities.

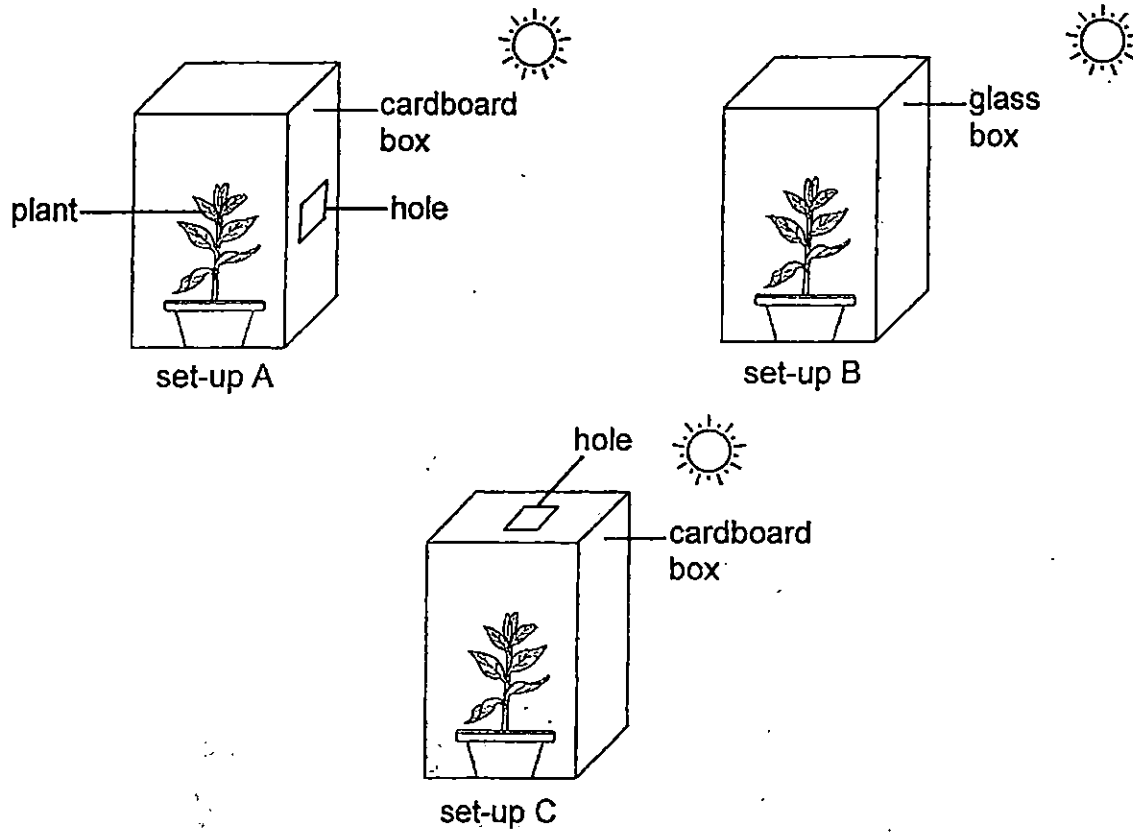


In which group, W, X, Y or Z, would you group the chameleon as shown above?

- (1) W
- (2) X
- (3) Y
- (4) Z

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11. Look at the set-ups A, B and C as shown below.

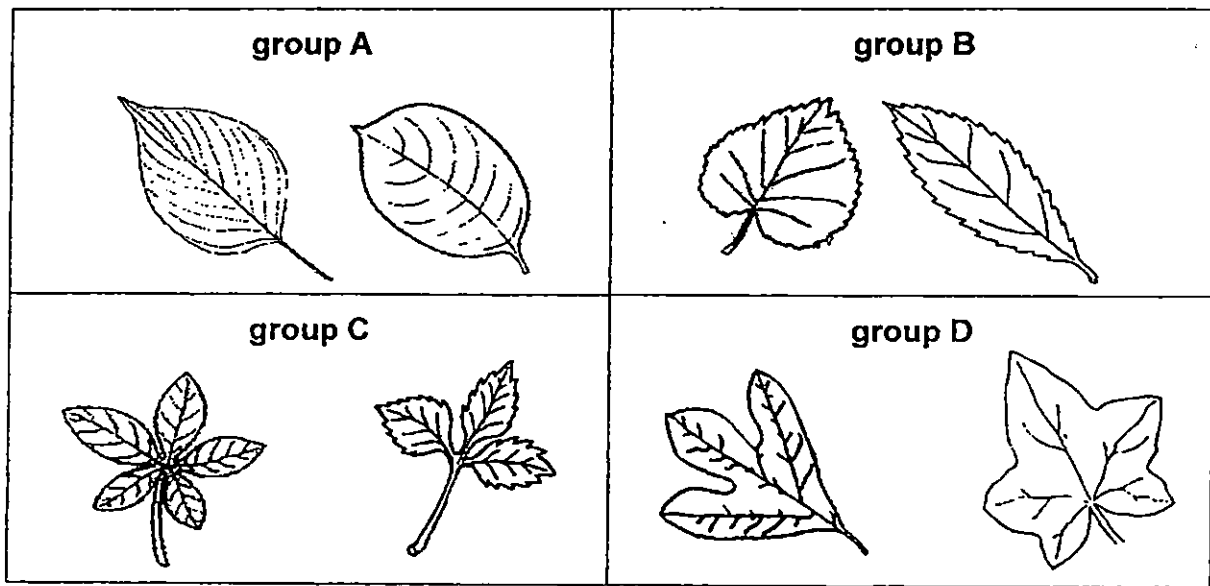


Which of the following set-ups will the plants continue to grow upright after a few days?

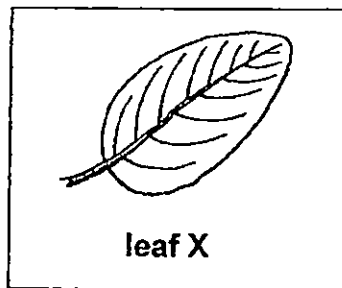
	set-ups
(1)	A and B only
(2)	A and C only
(3)	B and C only
(4)	A, B and C

()

12. Study the diagrams below carefully.



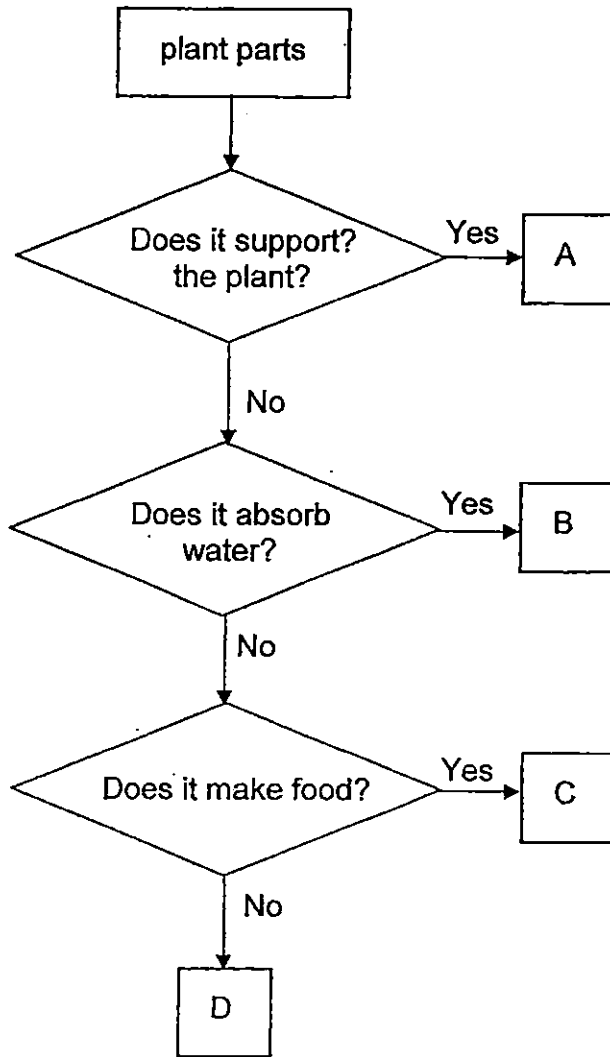
Which group does leaf X belong to?



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

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13. Study the flowchart shown below carefully.



Which one of the following plant parts, A, B, C or D best represents the leaf?

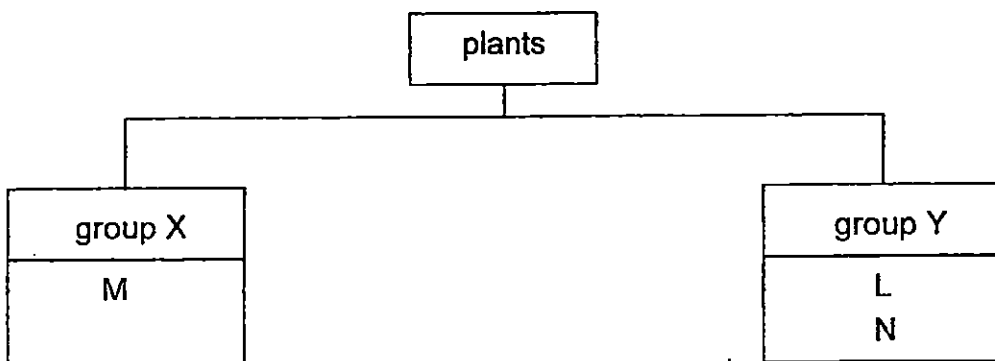
- (1) A
- (2) B
- (3) C
- (4) D

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14. Plants, L, M and N have common characteristics as shown in the table below. A tick (✓) in the box indicates the presence of a certain characteristic.

characteristic	plant		
	L	M	N
found on land	✓	✓	
reproduce by spores		✓	
bear flowers	✓		✓

Using the information above, Ali drew the following diagram to classify them.

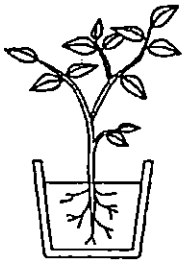


What are the suitable headings for group X and group Y?

	group X	group Y
(1)	ferns	fungi
(2)	non-flowering plants	flowering plants
(3)	land plants	water plants
(4)	fungi	non-flowering plants

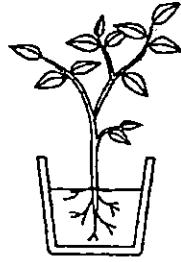
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15. Beth wants to find out if the amount of water given to 4 identical plants would affect its growth. She has 4 set-ups as shown below.



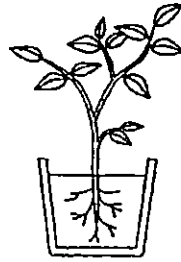
A

150 ml of water
in the shade



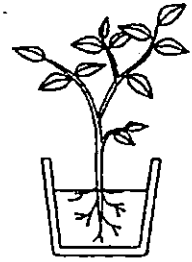
B

50 ml of water
in the shade



C

150 ml of water
in the Sun



D

50 ml of water
in the Sun

Which 2 set-ups should Beth use to ensure a fair test?

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

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END OF SECTION A

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1, 2015

PRIMARY THREE

SCIENCE

BOOKLET B

NAME : _____

CLASS : P3 _____

DATE : 14 May 2015

TOTAL TIME FOR BOOKLETS A & B: 1 hour

BOOKLET A	/ 30
BOOKLET B	/ 20
TOTAL	/ 50

Parent's Signature: _____

INSTRUCTIONS TO PUPILS

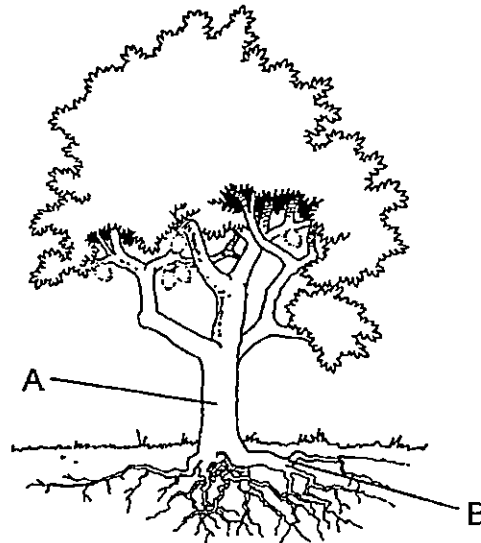
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ANSWER ALL QUESTIONS.

SECTION B: 20 Marks

For questions 16 to 22, write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part question.

16. Study the diagram below carefully.

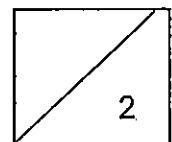


(a) Name the plant parts, A and B. [1]

(i) A: _____

(ii) B: _____

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

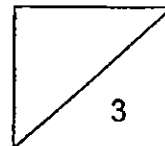


17. The following are the things that are found in the garden and school canteen.

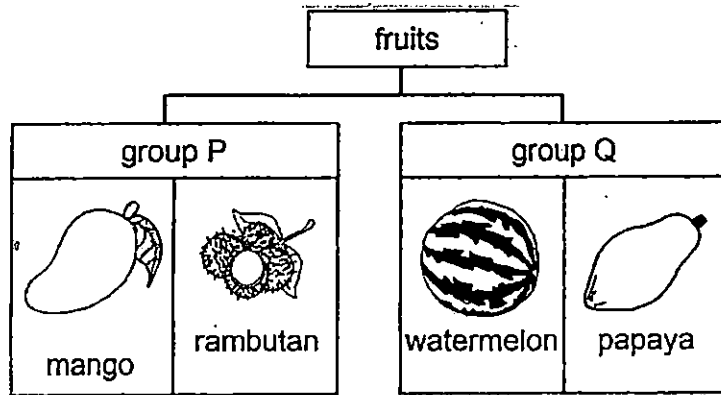
stone	grasshopper	plate
grass	snail	spoon

(a) Classify all the things in the table provided below. [3]

Living Things	Non-living Things



18. Study the classification chart below.



(a) Which characteristic is used to group the fruits above?

(b) Based on your answer in (a), state the suitable headings for the fruits. [1]

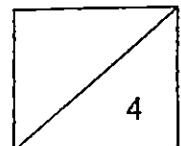
Group P: _____

Group Q: _____

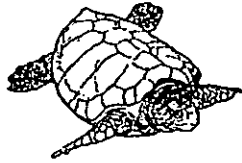
(c) In which group, P or Q, will you place "apple"? [1]

Group _____

(d) What is the difference in the method of reproduction between a mango plant and a fern? [1]



19. Compare a turtle and a whale.



turtle



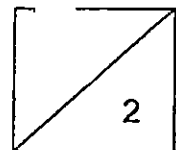
whale

(a) How different are their outer covering?

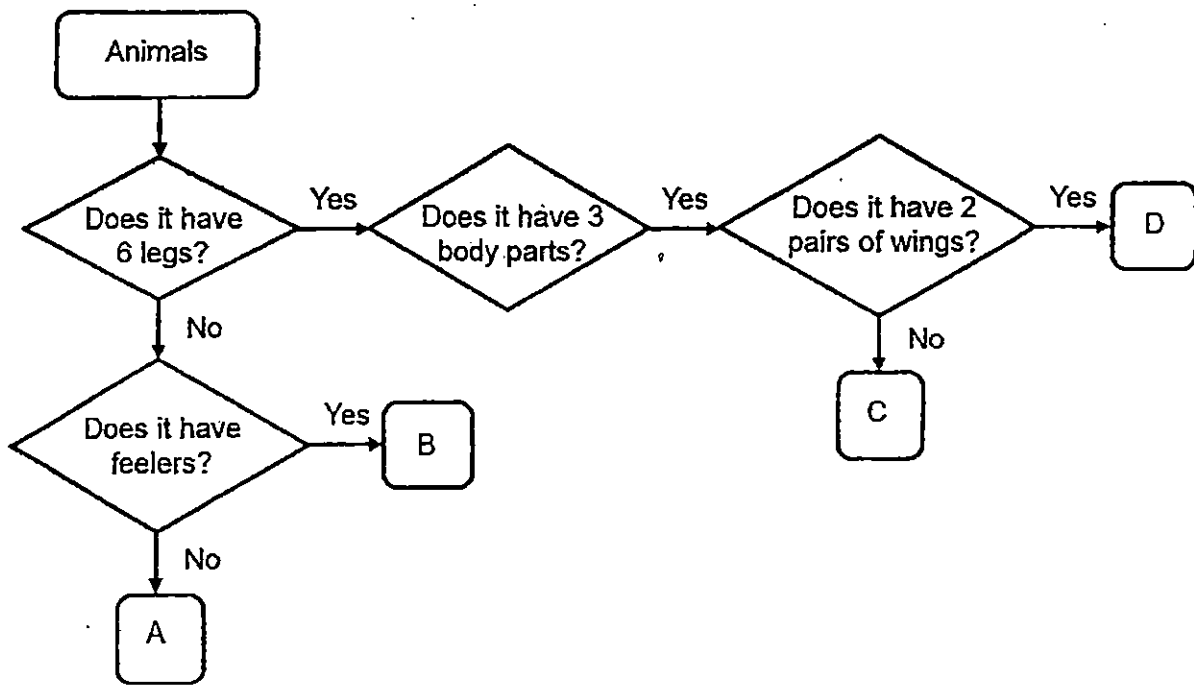
[1]

(b) How different do they reproduce?

[1]



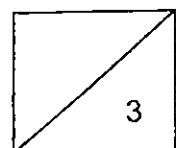
20. Study the flowchart carefully.



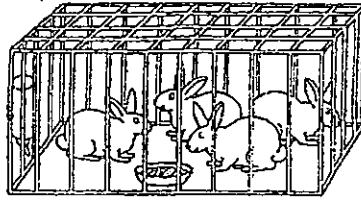
(a) From the information given in the flowchart, state **two** characteristics of animal B. [1]

(b) State one difference between animal A and animal C. [1]

(c) Which group of animals does animal D belong to? [1]



21. Alice kept 4 rabbits in a cage in the garden and fed them every day.

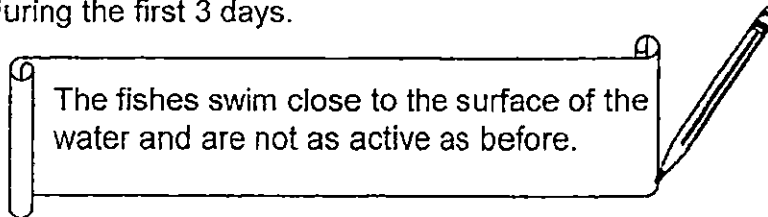


She recorded the number of rabbits in the cage at the end of every month in the table below.

Month	Number of rabbits
April	4
May	4
June	3
July	1

(a) What happened to the number of rabbits over the 4 months? Give a reason for the change in the number of rabbits if she did not remove any rabbits from the cage. [1]

She also bought 5 fishes and placed them in a fish tank. She made the following observations during the first 3 days.



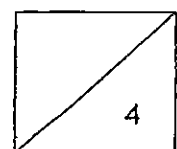
(b) Suggest a possible reason for Alice's observation. [1]

(c) Without changing the fish tank, state 2 possible things Alice can do to ensure that the fishes remain healthy. [1]

(i) _____

(ii) _____

(d) What characteristic of living things is the fishes showing when they swam close to the water surface? [1]



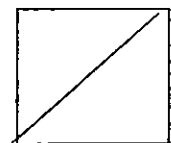
22. Bala started to grow some bean plants. For one of the plants, he measured the size of the seed leaves and the height of the plant and recorded the data in a table as shown below.

Size of the seed leaves (cm)	4	3	2	1
Height of the plant (cm)	2	3	4	6

- (a) What happens to the size of the seed leaves as plant grows taller? [1]

- (b) Explain your answer in part (a). [1]

END OF SECTION B





EXAM PAPER 2015

LEVEL : PRIMARY 3

SCHOOL : PAYA LEBAR METHODIST GIRLS' SCHOOL

SUBJECT : SCIENCE

TERM : SA1

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

Q16ai) A: stem Q16aii) B: Roots

Q16b. It holds the tree firmly to the ground.

Q17a.

Living Things	Non -living things
grass	plate
grasshopper	spoon
snail	stone

Q18a. They are grouped according to the number of seeds in the fruits.

Q18b. Group P: Has one seed only Q18b. Group Q: Have a few seeds

Q18c. Group Q Q18d. Mango plants reproduce by seeds but ferns reproduce by spores.

Q19a. The turtle's outer covering is scale but the whale's outer covering is hair.

Q19b. The turtle reproduce by laying eggs because it is a reptile but the whale reproduce by giving birth to their young alive because it is a mammal.

Q20a. Animal B does not have 6 legs and it have feelers.

Q20b. Animal A does not 6 legs but animal C has 6 legs.

Q20c. Animal D belongs to the insects groups.

Q21a. Over the 4 months, 3 rabbits had died. They had enough water because there is only one bottle of water in the cage. The number of rabbits decreased.

Q21b. There was not enough air in the fish tank.

Q21c i) Feed the fishes daily. Q21c ii) Put in an air pump

Q21d. They respond to changes around them.

Q22a. The size of the seed leaves will decrease and drop off.

Q22b. As the plant grows taller, it uses the food stored in the seed leaves.