FIRST SEMESTRAL ASSESSMENT 2014

SCIENCE

PRIMARY THREE

NAME: _____ ( ) DATE: _____

CLASS: PRIMARY 3 SY / C / G / SE / P

BOOKLET A

15 questions

30 marks

Total time for Booklets A & B: 1 h

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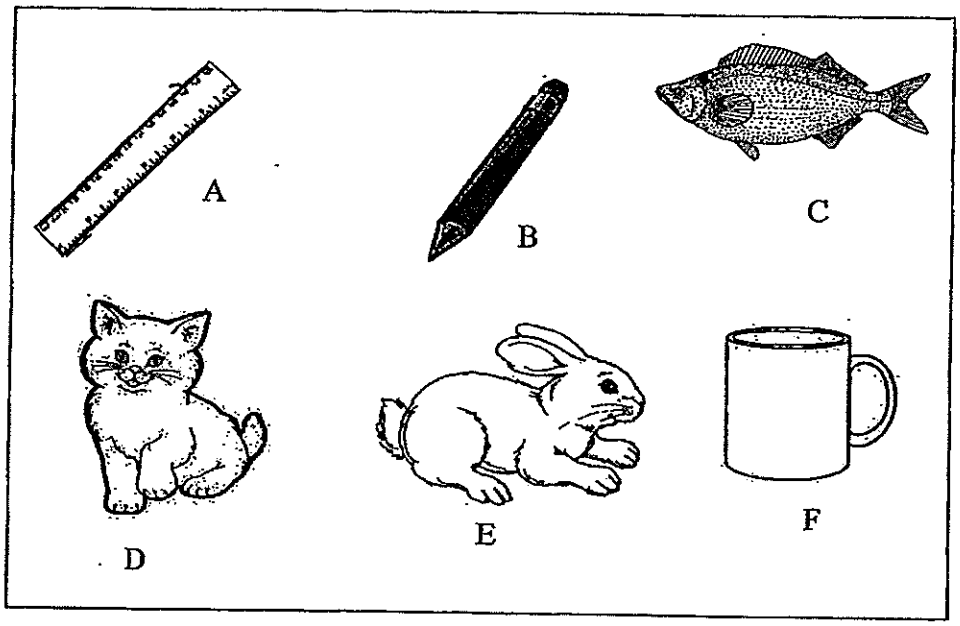
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Part I (15 x 2 marks)

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.**

1. Jane wanted to help her younger sister sort the things out as shown below.

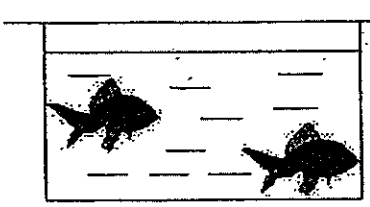


Which of the following shows that she has correctly classified the things under the correct headings?

	Non-living Things	Living Things
1)	A, C and D	B, E and F
2)	A, B and F	C, D and E
3)	C, D and E	A, B and F
4)	D, E and F	A, B and C

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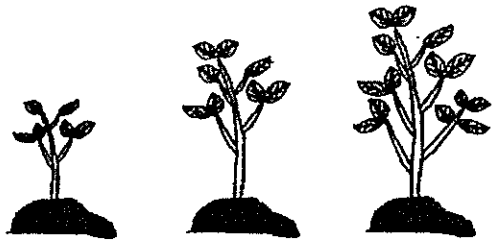
2. Look at the picture below.



What would happen to the fish in the fish tank if they were left alone for a week?

	Would the fish be alive?	Reason
1)	Yes	There is enough air and water.
2)	Yes	There is enough food.
3)	No	There is no water and food.
4)	No	There is not enough air.

3. The diagram shows what happens to a plant over 5 weeks.



Which of the statements correctly describe what you can observe?

A	It increases in height.
B	It grows more leaves.
C	It reproduces
D	It dies.

1) A and C only

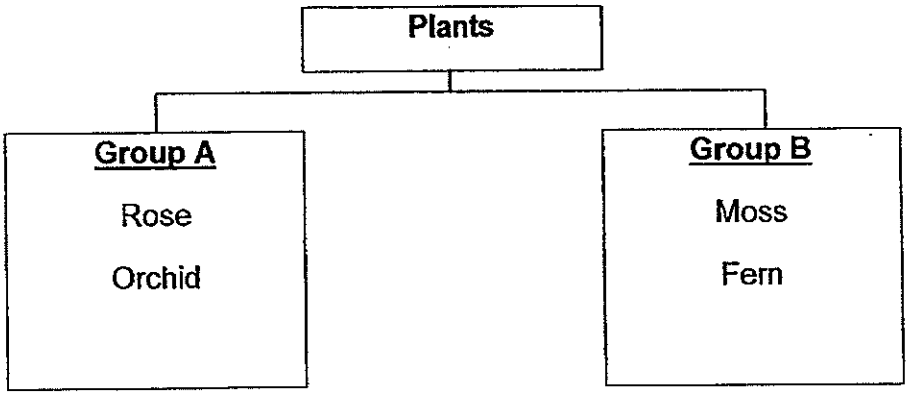
2) C and D only

3) A and B only

4) A, B, C and D

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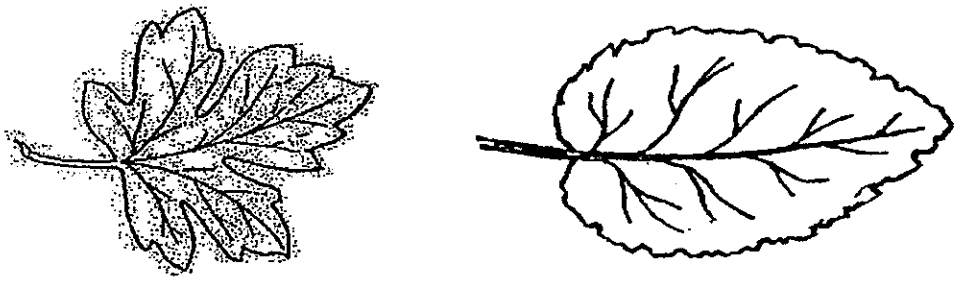
4. Study the classification chart.



Which of the following are suitable headings for Groups **A** and **B**?

	A	B
1)	Grow from spores	Grow from seeds
2)	Flowering	Non-flowering
3)	Grow in water	Grow on land
4)	Have no fruits	Have fruits

5. Shirley collected 2 leaves from her school garden.



Based on what you can see only in the diagrams, how are the 2 leaves similar?

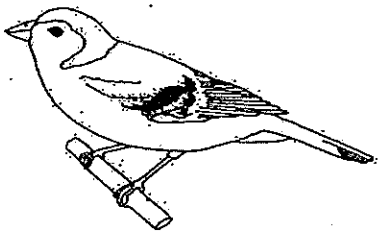
1) Both are edible.
2) Both are heart shaped.
3) Both have a leaf stalk.
4) Both the leaves are of the same size.

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6. Three animals are shown below.



Dragonfly



Robin



Bat

Which of the following statement(s) is / are true for all the 3 animals?

A. They can fly.

B. They have a pair of legs only.

C. They lay eggs for reproduction.

D. They have feathers as their outer covering.

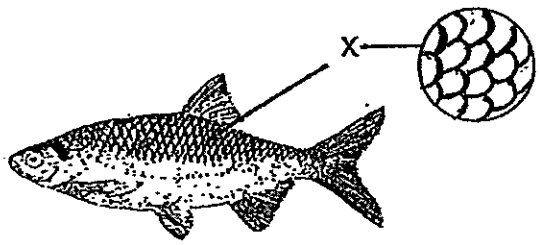
1) A only

2) A and B only

3) B, C and D only

4) A, B and D only

7. The diagram shows a fish. The part marked X helps the fish to _____.



1) get food

2) change direction

3) breathe in the water

4) protect its soft body

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8. Study the characteristics of A, B, C and D.

	Can swim	Has 3 body parts	Lay eggs	Has hair
A	√		√	
B		√	√	
C			√	√
D	√			√

Which one of them is most likely to be a turtle?

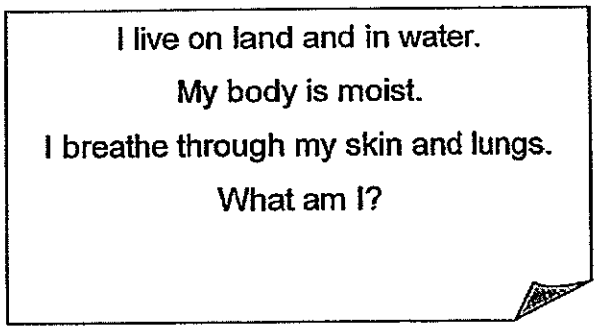
1) A

2) B

3) C

4) D

9. Sharon wrote a riddle about an animal for her friend to guess.



What is the likely animal Sharon has in mind?

1) goldfish

2) crocodile

3) salamander

4) terrapin

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10. 4 children were told to write a statement each about Animal X.

A: It has hair.
B: It can swim.
C: It has 4 legs.
D: It feeds its young with milk.

Which of the 2 statements tell you that Animal X is a mammal?

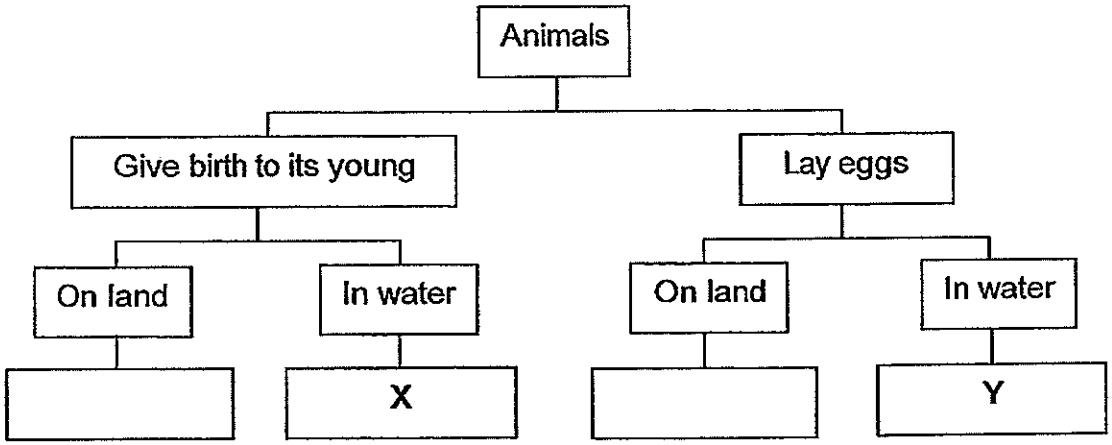
1) A and C

2) A and D

3) B and C

4) B and D

11. Study the chart below carefully.



Which of the following is a correct representation of **Animals X and Y**?

	Animal X	Animal Y
1)	Dolphin	Goldfish
2)	Frog	Snake
3)	Monkey	Duck
4)	Grasshopper	Mudskipper

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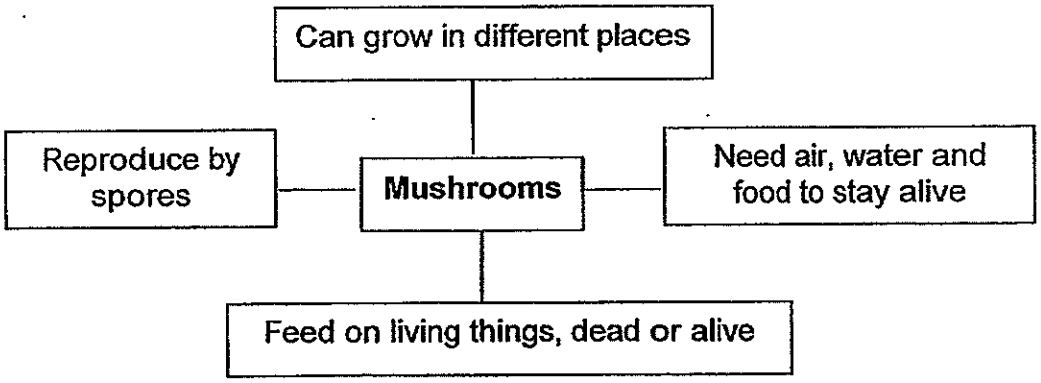
12. Study the table below.

	Does it make its own food?	Can it move from place to place on its own?
A	Yes	No
B	No	Yes
C	No	No

Which of the following is the correct representation of **A, B and C**?

	A	B	C
1)	plant	animal	fungi
2)	fungi	animal	plant
3)	fungi	plant	animal
4)	animal	plant	fungi

13. Sue examines some mushrooms and records the following information.

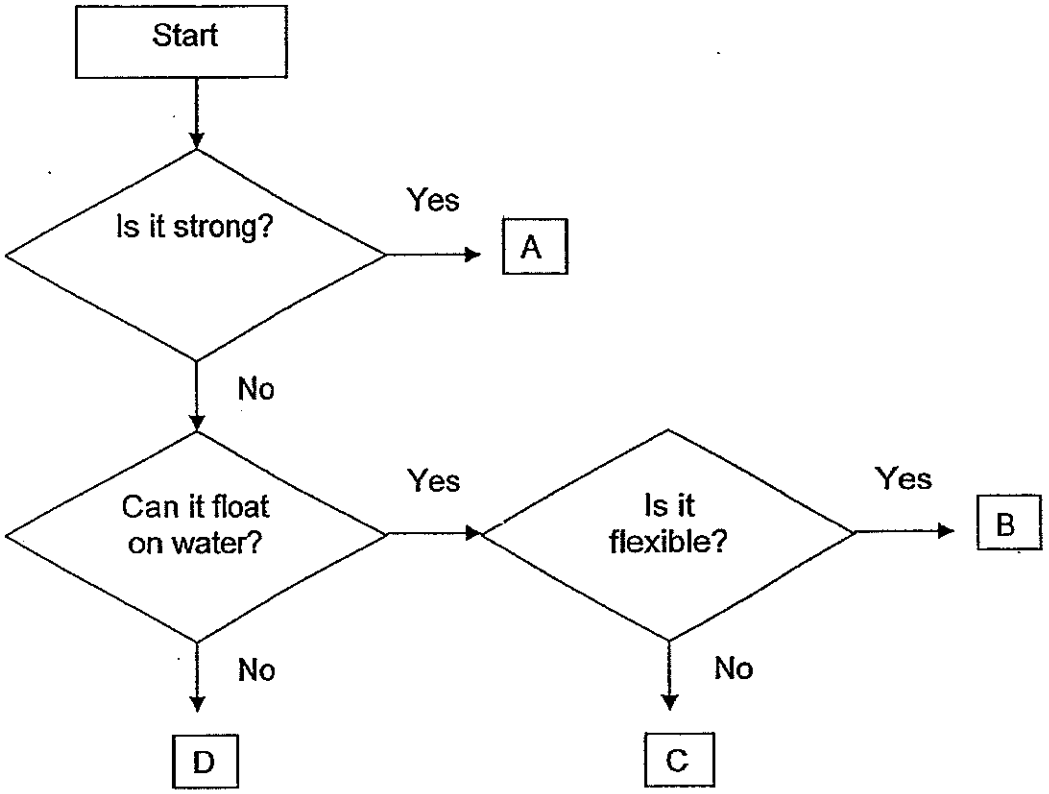


Based only on the information given by Sue, which of the following is true?

1) Mushrooms are edible.
2) Mushrooms are colourful.
3) Mushrooms are living things.
4) Mushrooms can make their own food.

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14. The flow chart below shows the characteristics of some balls made of different materials.



Which of the following is a possible material for **Ball C**?

1) rubber

2) cork

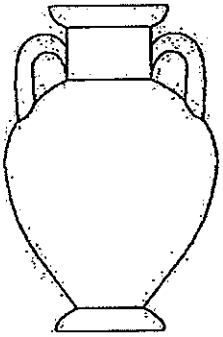
3) ceramic

4) metal

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15. Which of the following object/s <u>will not</u> break if it/they is/are dropped from the table onto the floor?

A



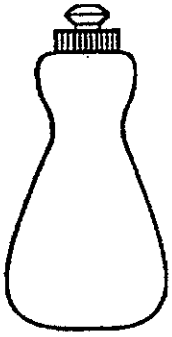
ceramic vase

B



glass mug

C



rubber bottle

1) C only

2) A and B only

3) B and C only

4) A, B, and C

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FIRST SEMESTRAL ASSESSMENT 2014

SCIENCE

PRIMARY THREE

NAME: _____ ( ) DATE: _____

CLASS: PRIMARY 3SY / C / G / SE / P

Booklet A		30
Booklet B		20
Total		50

Parent's Signature

_____

BOOKLET B

9 questions

20 marks

Total time for Booklets A & B: 1 h

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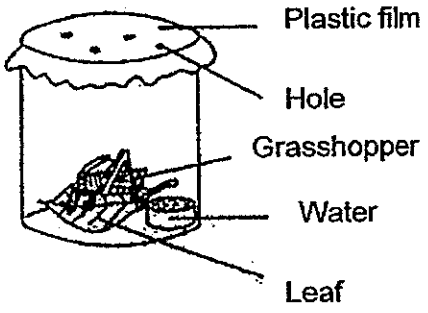
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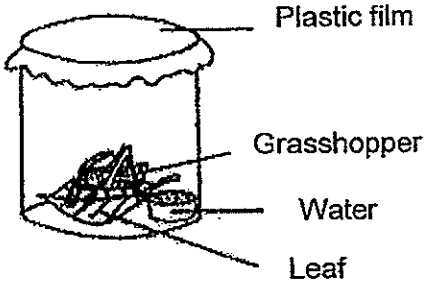
Part II (20 marks)

Answer all the following questions.

16. Peter conducted an experiment to find out if the grasshopper from Container X or Container Y can live longer.



Container X



Container Y

a) Which grasshopper is able to live longer? [1]

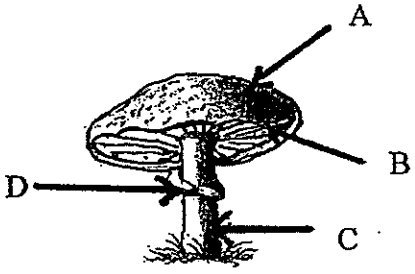
_____

b) Give a reason to your answer in (a). [1]

_____

17. Look carefully at the diagrams below.





a) Which group of living things do the organisms above belong to? [1]

_____

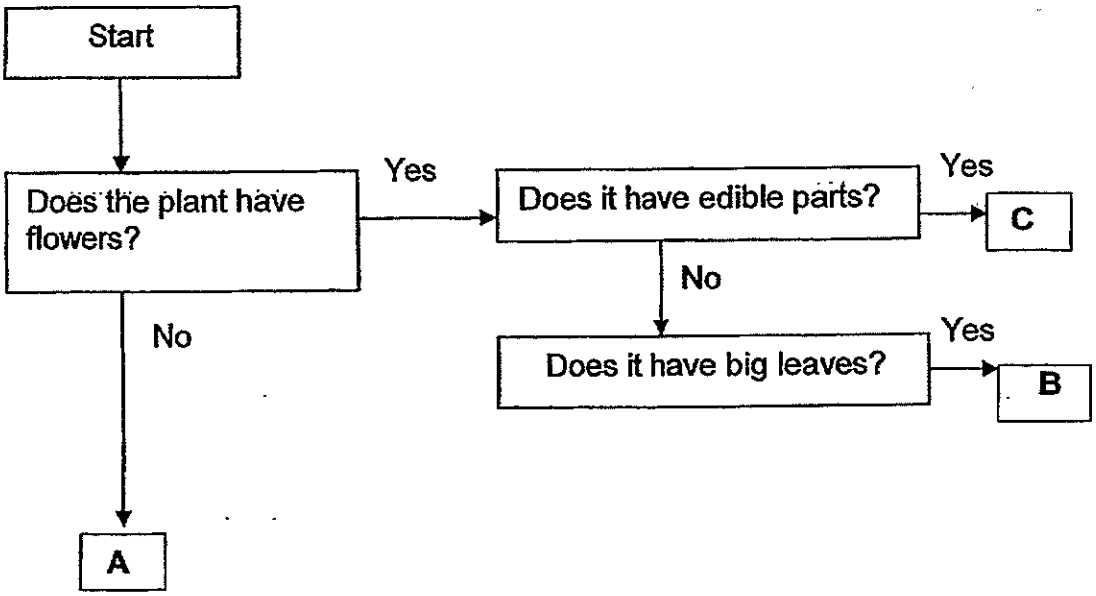
b) Which arrows, A, B, C or D in the diagram above, shows where spores can be found ? [1]

_____

4

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18. Study the flow chart below which represents plants **A, B and C.**



Write down 2 characteristics of Plant C. (2m)

(i) _____

(ii) _____

2

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19. Sally grew 2 identical plants in 2 different cardboard boxes in her garden. After 1 week, she found Plant A growing in the manner as shown in diagram A. How would Plant B look like?

Plant A

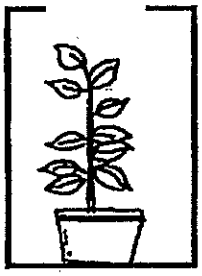


Diagram A

Plant B

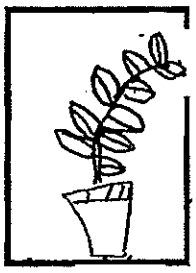


Diagram B

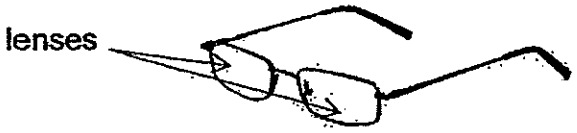
a) Help her to draw how the plant in Diagram B would look like. [1]

b) What caused Plant B to look like the way you have drawn in **Diagram B**? [1]

_____

_____

20. Janice wanted to choose a material to make the lenses of her spectacles. Look carefully at the descriptions and help her make the correct decision.



Material X	Does not allow light to pass through
Material Y	Allows most light to pass through

a) Which material, X or Y, is more suitable for making the lenses of her spectacles? [1]

_____

b) Name a material that is suitable for making her lenses. [1]

_____

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21. Kelvin toasted 3 similar slices of bread and sprinkled different amounts of water on them before putting them into 3 sealed bags. The 3 bags were then placed in a cupboard for 5 days.

	Amount of water added / ml	**Amount of mould found on Day 5**
Bread X	0	No mould
Bread Y	5	Small patches
Bread Z	10	Large patches

Study the table above and fill in the blanks with the suitable words as given in the boxes below. [2]

a)

decreases	remains the same	also increases

As the amount of water added to the different pieces of bread increases, the amount of mould found growing on them _____

b)

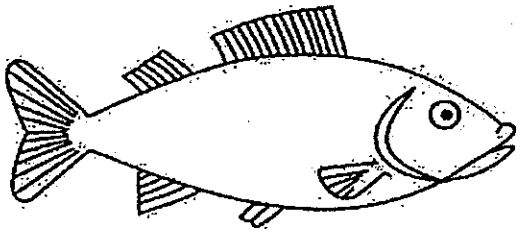
in his cupboard	in his refrigerator	in his school bag

If Kelvin wanted to keep his bread fresh for as long as possible, he should keep his bread _____.

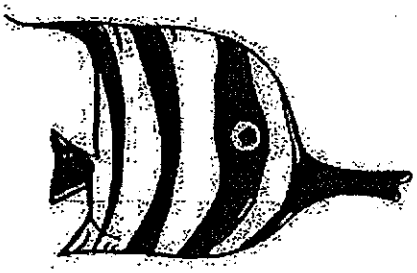
2

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22. Look carefully at the 2 animals. [Do not compare the shape and size of the animals]



Fish A



Fish B

a) Based on what you can see only, besides the eyes, write down a similarity between Fish A and Fish B. [1]

_____

_____

b) Based on what you can see only, besides the fins, write down a difference between Fish A and Fish B. [1]

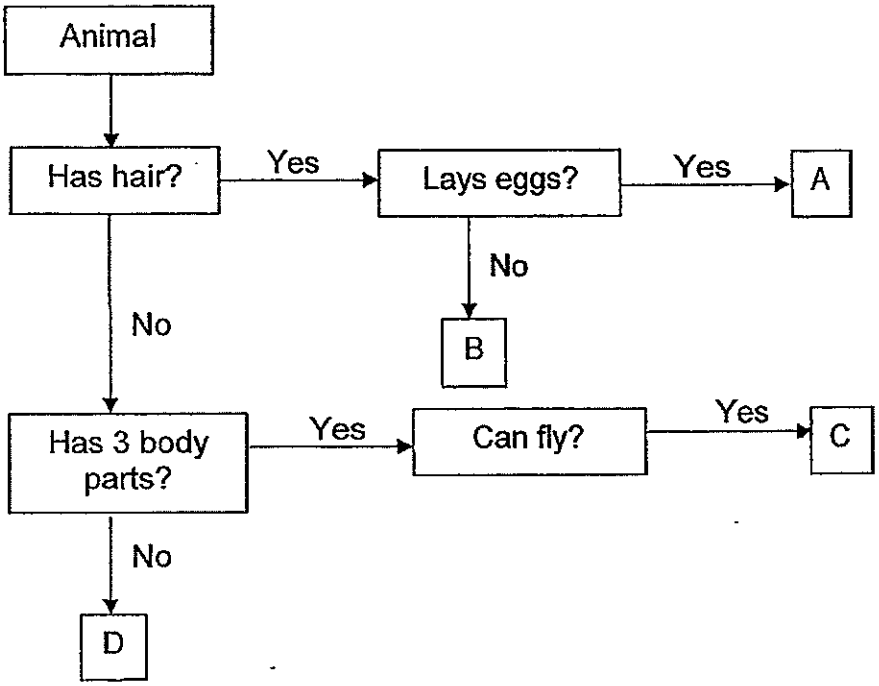
_____

_____

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23. Study the flowchart below carefully.



a) Circle the letter that represents a bee. [1]

b) Circle all the other characteristics of the animals that can be found in Group C in the box as shown below. [1]

a pair of feelers	no feelers
8 legs	6 legs
3 body segments	2 body segments

2

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24. The properties of 3 materials P, Q and R are written in the table as shown below.

Property / Material	Waterproof	Flexible	Floats on water
P	No	No	Yes
Q	Yes	Yes	No
R	Yes	No	Yes

Study the table carefully.

a) Describe Material P. [1]

_____

_____

b) Which material, P, Q or R is the most suitable to make a toy boat? [1]

_____

c) Which material, P,Q or R ~~if~~ کیا the most suitable to make a raincoat? Explain your answer. [2]

_____

_____

4

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Singapore Chinese Girls' School
Science SA1 2014

Section A

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

Section B

16) (a) Grasshopper X
(b) Grasshopper X has more or unlimited air but Grasshopper Y has less/limited air.

17) (a) Fungi
(b) B

19) (a) Diagram shows the stem of plant bent towards the hole
(b) The plant is responding to light/growing towards light.

20) (a) Material Y
(b) Glass/Plastic

21) (a) also increases
(b) in his refrigerator

22) (a) Both have fins/tails.
(b) Fish A has no stripes but Fish B has stripes.
OR: Fish B has elongated mouth but Fish A doesn't.

23) (a) C
(b) A pair of feelers and 6 legs.

24) (a) P is not waterproof, not flexible but floats on water.
(b) R
(c) Material Q. It is flexible and waterproof.

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