ANGLO-CHINESE SCHOOL
(JUNIOR)

SEMESTRAL ASSESSMENT 1 (2012)
PRIMARY 3

SCIENCE

BOOKLET A

Monday 14 May 2012 1 hour 30 minutes

Name : _____( )

Class : P3 _____

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer **ALL** questions.

INFORMATION FOR PUPILS

The total marks for this booklet is 50.

The total time for Booklets A and B is 1 hour 30 minutes.

This question paper consists of 12 printed pages. (Inclusive of cover page)

3043

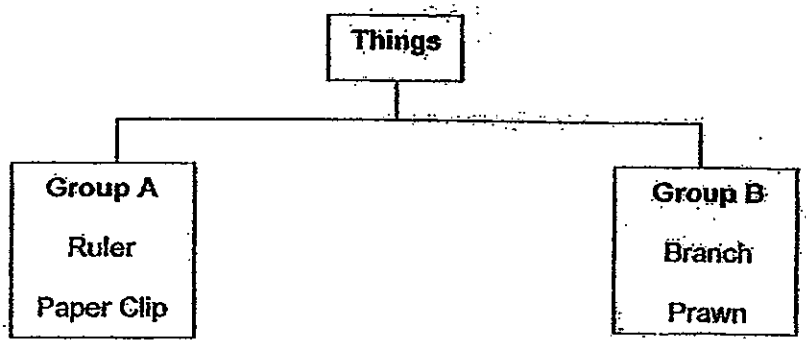
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Section A (50 marks)

For each question from 1 to 25, four options are given. One of them is the correct answer. Choose the correct option (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS).

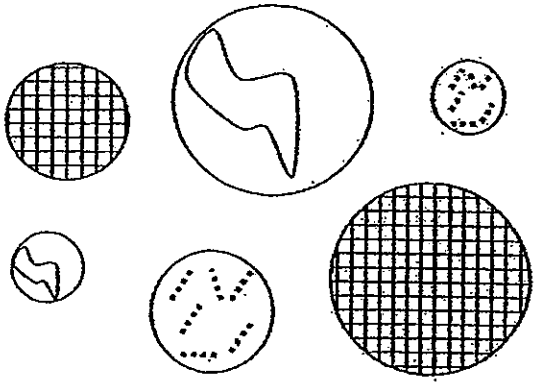
1 The diagram below shows how some things have been classified.



Which of the following things can be classified under Group B?

(1) fork
(2) mug
(3) button
(4) peanut

2 Peter was asked to put the following things shown below into three groups.



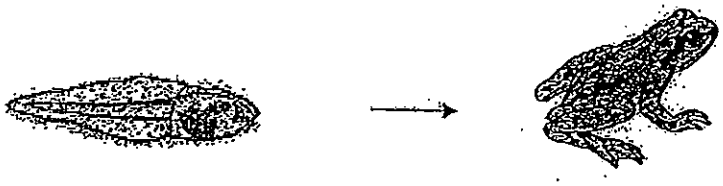
Which of the following characteristics can be used to group them?

A Size
B Shape
C Pattern

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

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3 The diagrams below show how the tadpole changes over time. Which characteristic of living things is shown below?



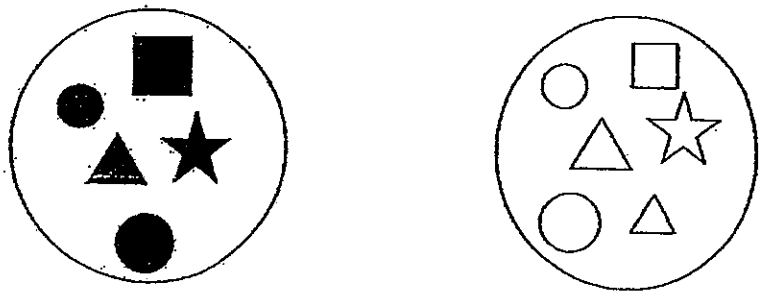
Tadpole Frog

(1) Living things die.
(2) Living things grow.
(3) Living things reproduce.
(4) Living things respond to their surroundings.

4 Joe's cat runs away quickly when it is frightened by a sudden noise. Which of the following characteristics of living things does the cat show?

(1) Living things grow.
(2) Living things reproduce.
(3) Living things move by themselves.
(4) Living things respond to their surroundings.

5 The diagrams below show how some objects were grouped.

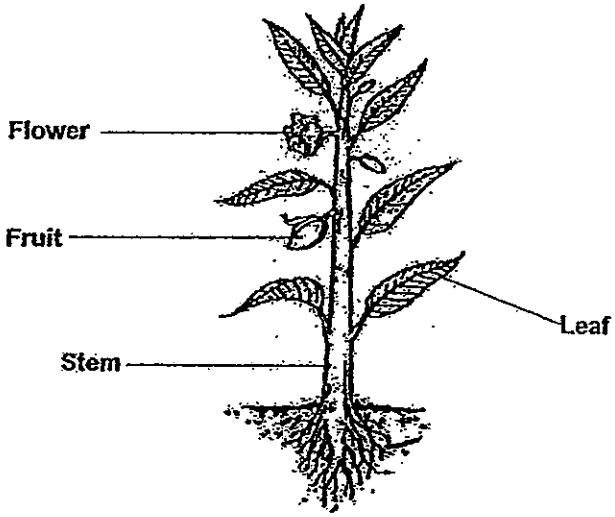


The objects in the pictures above are grouped according to their_____.

(1) size
(2) shape
(3) colour
(4) number

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6 The diagram below shows a plant. If the _____ is **removed**, the plant can still make food.



(1) leaf
(2) stem
(3) roots
(4) flower

7 Look at the objects below.



marble kite fan

Which of the following statements explain why the marble, kite and fan are non-living things?

A They cannot die.
B They cannot reproduce.
C They can move on their own.
D They can respond to changes.

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

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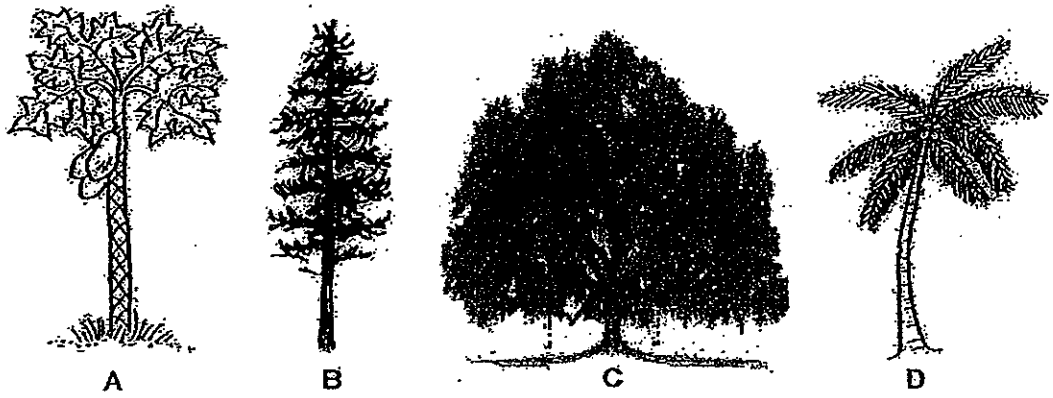
8 John put some goldfish into a fish tank. He decided not to buy any more goldfish over the next few weeks. He recorded the number of goldfish over 3 weeks in the table below.

Week	1	2	3
Number of Goldfish	8	9	10

Based on his observation at the end of week 3, what can he conclude about goldfish?

(1) They can grow.
(2) They can reproduce.
(3) They need air, food and water.
(4) They can move by themselves.

9 The diagrams below show some trees.



Which tree is able to provide the most shade?

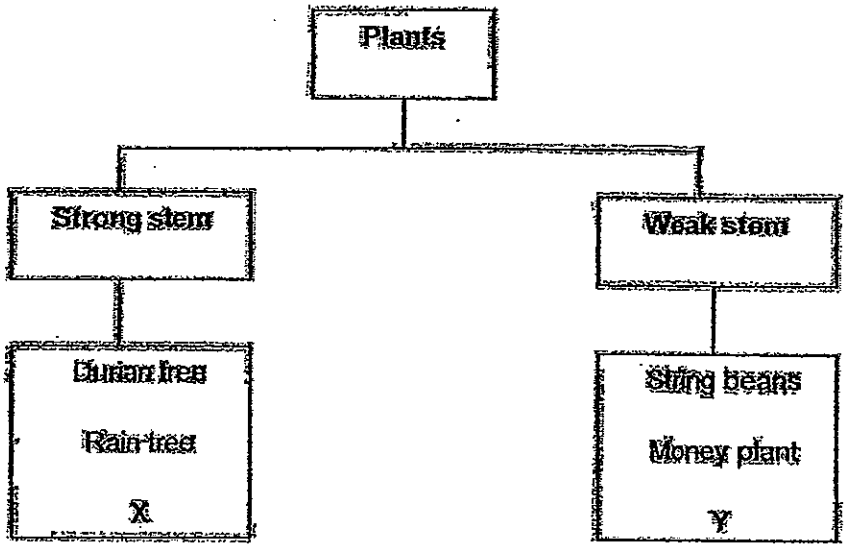
(1) A
(2) B
(3) C
(4) D

10 Which part of the plant supports the branches and the leaves?

(1) Fruit
(2) Stem
(3) Root
(4) Flower

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11 The plants below have been grouped according to their type of stems.

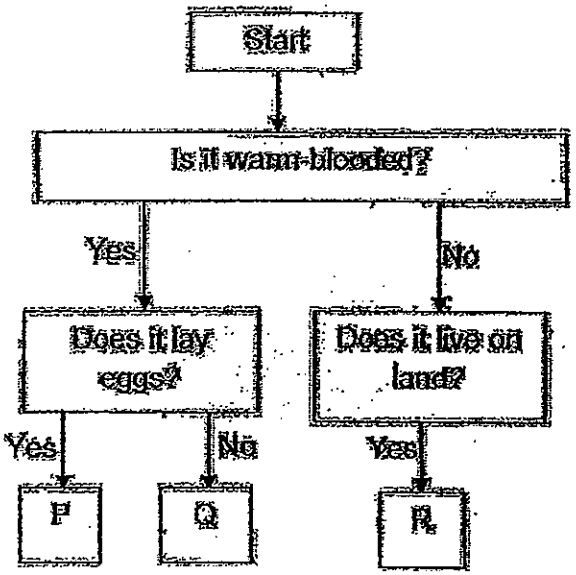


Which plants can X and Y be?

	X	Y
(1)	Lallang	Angsana tree
(2)	Morning Glory	Lallang
(3)	Frangipani	Morning glory
(4)	Angsana tree	Frangipani

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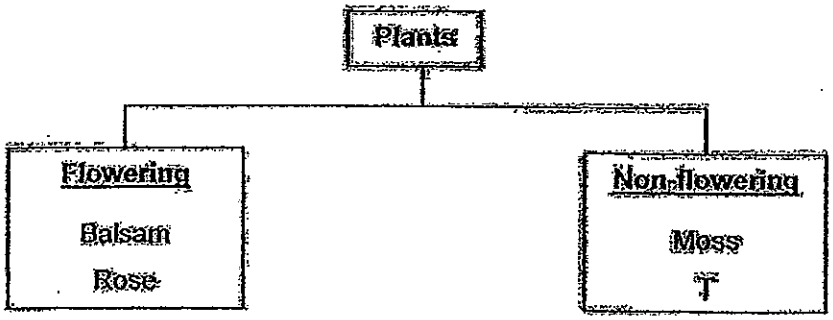
12 Study the flow chart below.



Which of the following statements is true?

(1) Animal Q lay eggs.
(2) Animals Q and R live on land.
(3) Animals P and R are warm-blooded.
(4) Animal P is warm-blooded and lays eggs.

13 Look at the flowchart below.



Which of the following can T be?

(1) Grass
(2) Palm tree
(3) Hibiscus plant
(4) Birds' nest fern

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14 Which of the following animals does <u>not</u> have the same kind of outer covering as the others?

(1) crow
(2) camel
(3) seagull
(4) penguin

15 The diagram below shows 2 animals, R and S.



R



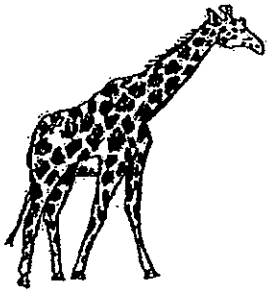
S

Based only on what you can see of the above pictures, how are the animals similar?

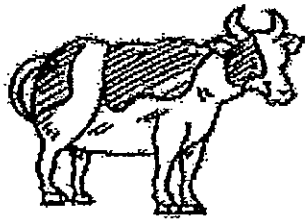
(1) Both animals eat other animals.
(2) Both animals move by the same way.
(3) Both animals need air, food and water.
(4) Both animals have patterns on their body.

16 Which animal does <u>not</u> belong to the same group as the others?

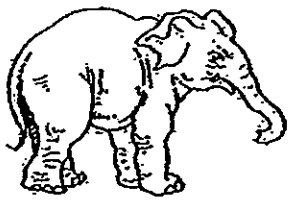
(1) Giraffe



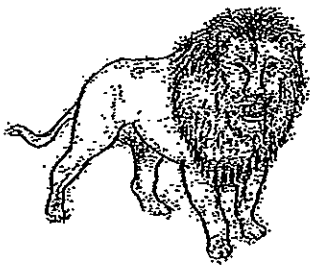
(2) Cow



(3) Elephant

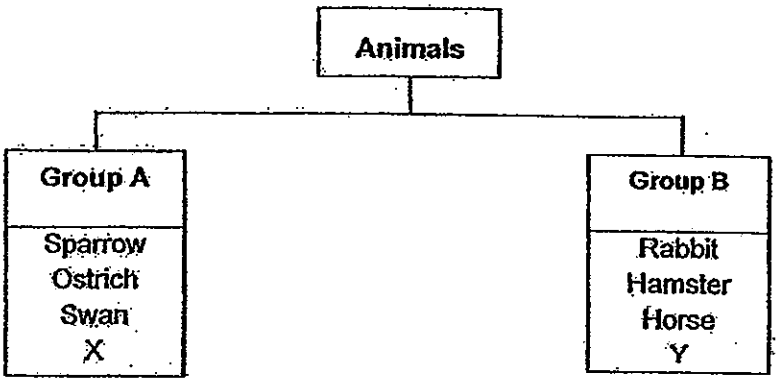


(4) Lion



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17 Study the classification chart below.



Which of the following are likely to be X and Y?

	X	Y
(1)	crocodile	parrot
(2)	parrot	goose
(3)	goose	polar bear
(4)	polar bear	crocodile

18 Sean observed some animals and grouped them into 2 different groups, D and E, as shown below.

Group D	Group E
Cat Platypus Kangaroo	Eagle Chicken Hummingbird

Based on the information above, Sean grouped the animals according to _____.

(1) where they live.
(2) the way they move
(3) the type of food they eat
(4) the type of body coverings they have

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19 Lisa describes an animal.
She says, "It has scales. It lays eggs. It breathes through its gills."
Which animal group does it most probably belong to?

(1) fish
(2) birds
(3) insect
(4) mammals

20 Isaac found some animals in his garden. His brother told him that they were insects.
To find out if his brother was right, Isaac decided to observe:

A their wings
B what they eat
C number of legs of each animal
D number of body parts of each animal

Which of the above activities will help him decide if the animals are really insects?

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

21 Kendrick grouped his favourite animals into two groups.

Group J	Group K
lion goat camel	guppy swordtail clown fish

Which one of the following would be a suitable heading for Group J and Group K?

	Group J	Group K
(1)	Animals that run	Animals that fly
(2)	Animals that give birth	Animals that lay eggs
(3)	Animals that live on land only	Animals that live in water only
(4)	Animals that feed on plants only	Animals that feed on plants and animals

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22 The table below shows how some living things reproduce. Which is **wrong**?

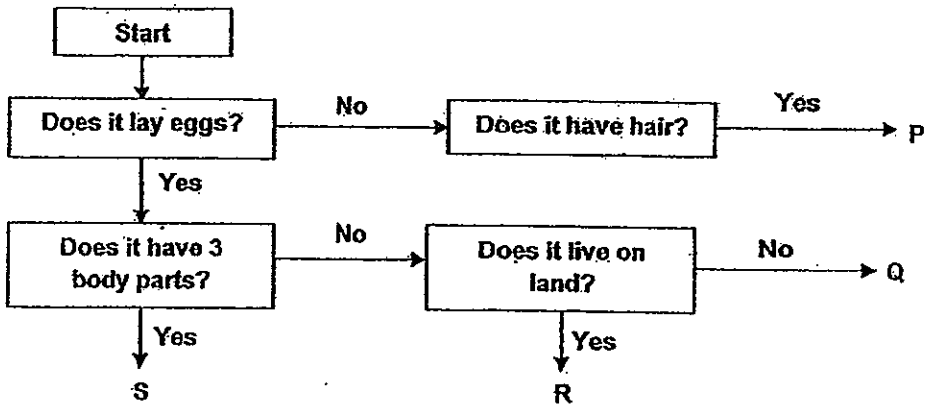
	Living Things	Give birth to young	Lay eggs
(1)	butterfly		✓
(2)	spiny anteater	✓	
(3)	hawk		✓
(4)	bat	✓	

23 The outer coverings of most birds can _____.

A help them fly
B keep them warm
C help them look for food

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

24 Study the flow chart below carefully.

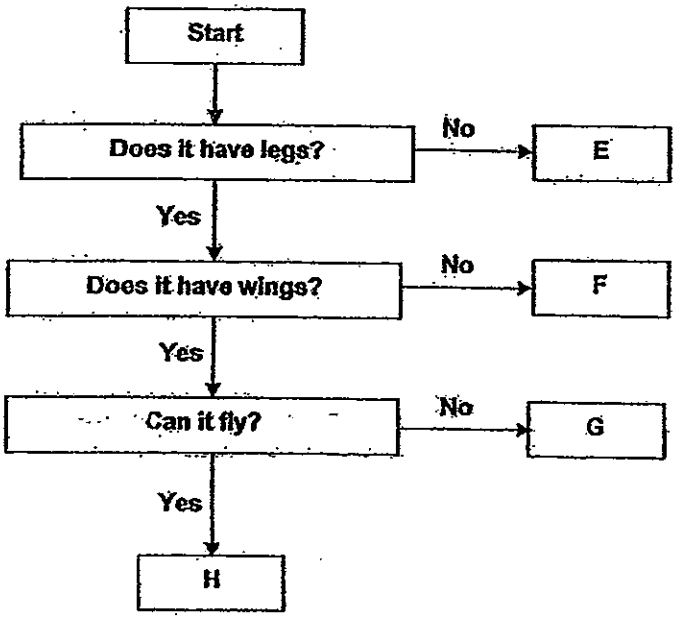


What type of animals could P, Q, R and S most likely be?

	P	Q	R	S
(1)	Birds	Fish	Insects	Mammals
(2)	Mammals	Birds	Fish	Insects
(3)	Mammals	Fish	Birds	Insects
(4)	Fish	Mammals	Insects	Birds

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25 The flowchart below shows how some animals are classified.



Which animals best represent H and F?

	Animal H	Animal F
(1)	emu	snail
(2)	emu	frog
(3)	dragonfly	frog
(4)	dragonfly	snail

11

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ANGLO-CHINESE SCHOOL
(JUNIOR)

SEMESTRAL ASSESSMENT 1 (2012)
PRIMARY 3

SCIENCE

BOOKLET B

Monday 14 May 2012 1 hour 30 minutes

Name : _____( )

Class : P3_____

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 14 questions in this booklet.

Answer **ALL** questions.

INFORMATION FOR PUPILS

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

The total marks for this booklet is 40.

The total time for Booklets A and B is 1 hour 30 minutes.

This question paper consists of 11 printed pages. (Inclusive of cover page)

BOOKLET A	/ 50
BOOKLET B	/ 40
TOTAL	/ 90
Parent's signature/ Date:	

13

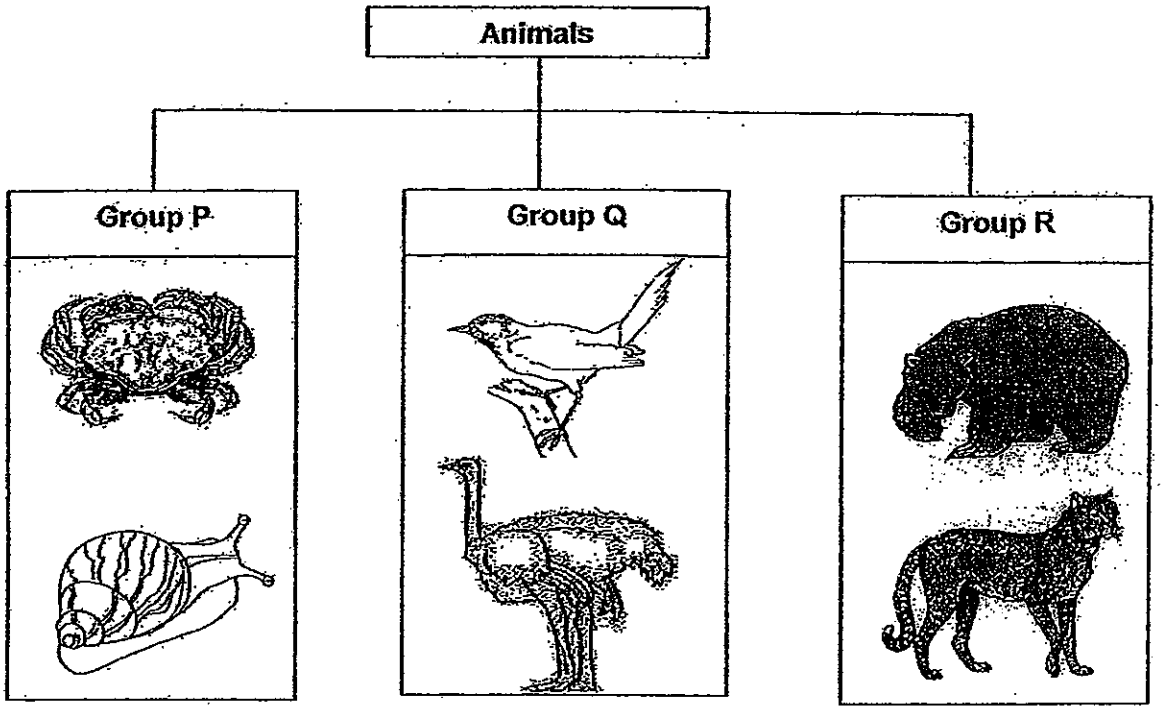
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Section B (40 marks)

For questions 26 to 39, write your answers in this booklet. The number of marks available is shown in the brackets [ ] at the end of each question or part question.

26 The animals below are classified into three groups, P, Q and R.



(a) Suggest suitable headings for Groups P, Q and R. [3]

Group P: _____

Group Q: _____

Group R: _____

(b) In which group can the prawn be placed? [1]

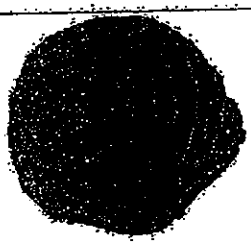
Group: _____



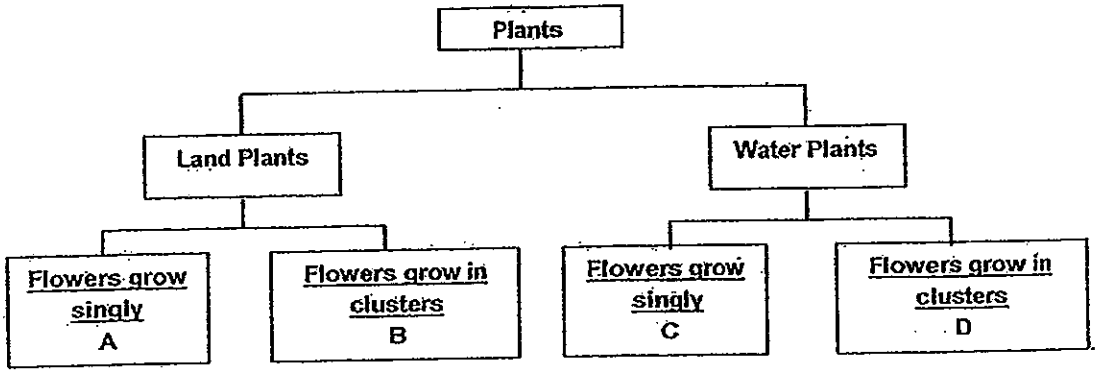
15

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27 The diagrams below show some plant parts. Name the part which is usually eaten in the boxes provided. [3]

		
Cabbage	Broccoli	Apple

28 Study the classification chart below.



Based on the above chart,

(a) describe 2 characteristics of B. [1]

_____

(b) state 1 difference between Plant A and Plant C. [1]

_____

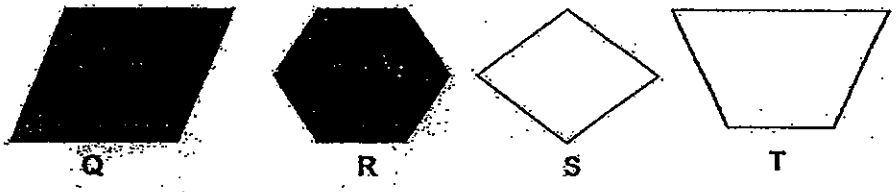
(c) state 1 similarity between Plant B and Plant D. [1]

_____

Sub-total: ____

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29 John was given 4 figures, Q, R, S and T, as shown below.



(a) Which 3 figures can he put into the same group? [1]

_____

(b) How were the figures classified in (a)? [1]

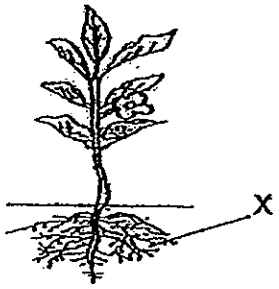
_____

(c) John classified the 4 figures into groups X and Y such that each group has equal number of figures. Give the headings for the two new groups. [1]

Group X: _____

Group Y: _____

30 The diagram below shows a plant.



State 2 different functions of part X. [2]

_____

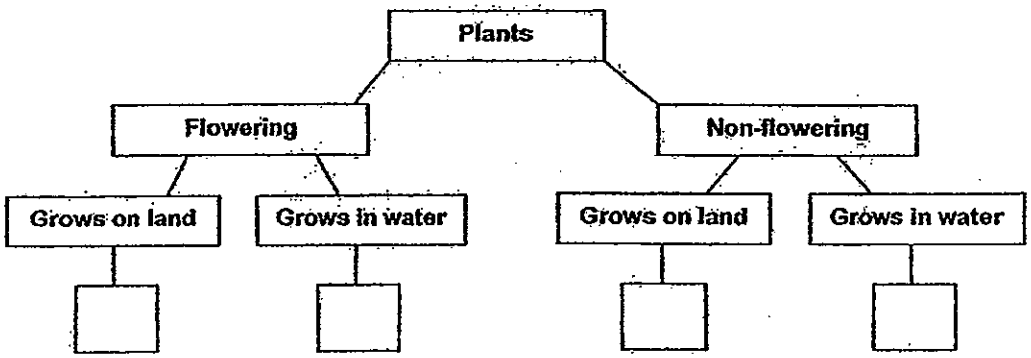
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31 The table below shows some characteristics of 4 plants (E, F, G and H). A tick (✓) shows that the plant has the characteristic.

	Plant			
Characteristics	**E**	**F**	**G**	**H**
Bears fruit		✓		✓
Grows on land	✓			✓

(a) Based on the above information, classify Plants E, F, G and H using the classification chart below. Write your answer in the boxes provided. [2]



(b) Give an example of Plant H. [1]

_____

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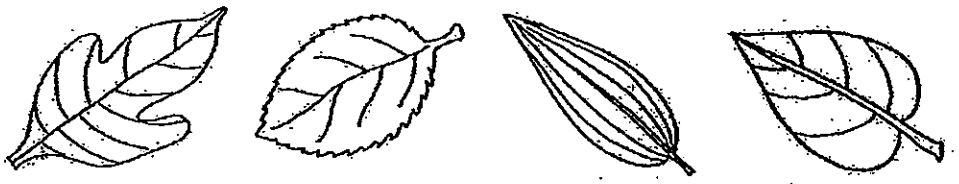
32 Clement found a leaf in his school as shown below.



(a) Describe the shape and type of edge the leaf has. [1]

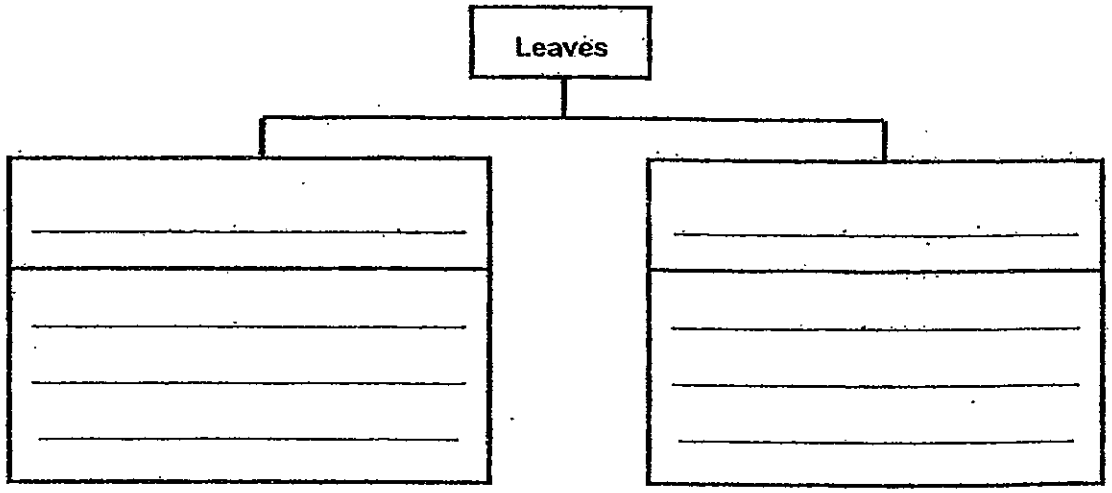
_____

(b) Study the different leaves below.



W X Y Z

Fill in the blanks with suitable sub-headings and classify the leaves in the classification chart below. [2]



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33 The animals below are grouped according to a common characteristic.

ostrich	bat	penguin	pigeon

(a) What was the common **characteristic** used to group the animals? [1]

_____

(b) The animals were regrouped as shown below. Write suitable headings in the space below. [1]

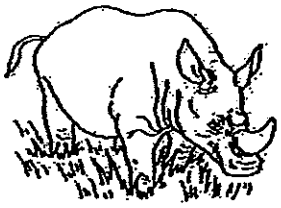
_____	_____
bat	pigeon ostrich penguin

(c) Regroup the animals using the given characteristics below. [1]

can fly	cannot fly
_____ _____ _____	_____ _____ _____

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34 The diagram below shows a rhinoceros and a platypus.



rhinoceros



platypus

(a) Which animal group do the 2 animals belong to? [1]

_____

(b) How are they different in the way they reproduce? [1]

_____

(c) Name another animal that belongs to the same group but reproduces in the same way as the platypus. [1]

_____

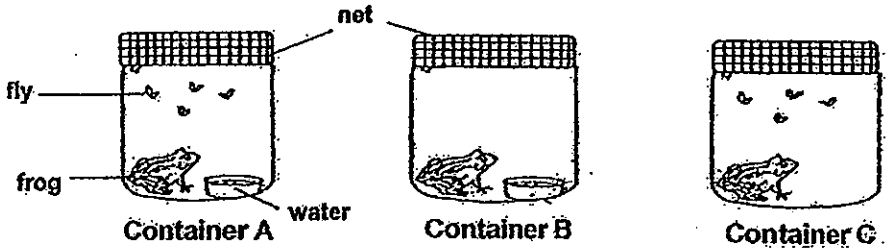
35 Complete the table by putting a tick (✓) in the correct boxes. [2]

	Eat plants only	Eat animals only	Eat both plants and animals
sheep			
leopard			
chicken			
caterpillar			

Sub-total:

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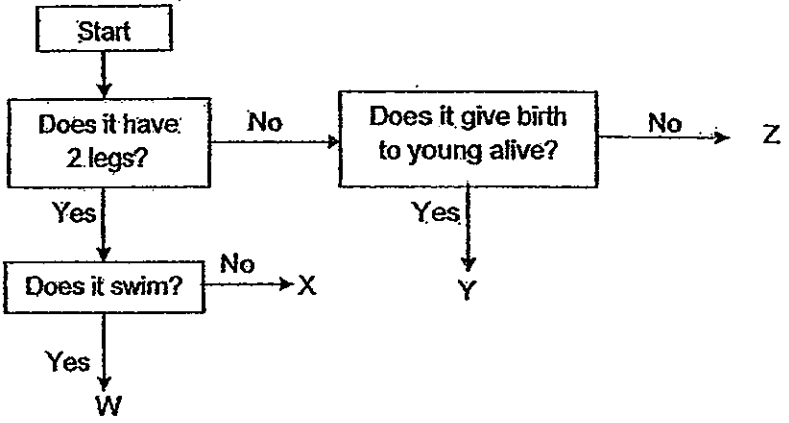
36 Jake set up the experiment shown below using frogs of similar size.



(a) In which container will the frog be able to live the longest? [1]

(b) Why did Jake use a net to cover the containers instead of a plastic lid? [1]

37 Study the flow chart below.



(a) Use the flow chart to identify the animals below. Write W, X, Y and Z in the boxes. [2]

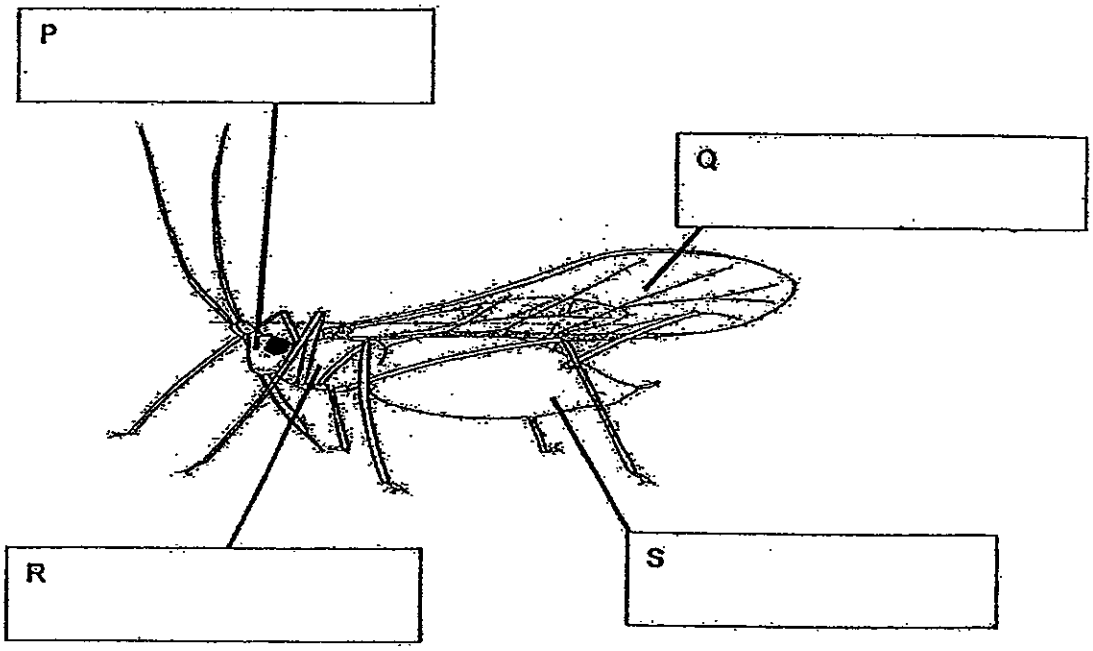
Duck	Zebra	Angelfish	Hawk

(b) Based on the above chart, which animal (W, X, Y, or Z) is most likely to be represented by a molly? Why? [1]

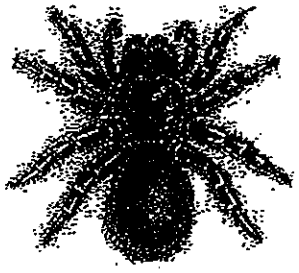
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38 The diagram below shows an insect.

(a) Identify and label the parts P, Q, R and S. [2]



(b) The diagram below shows Animal T.



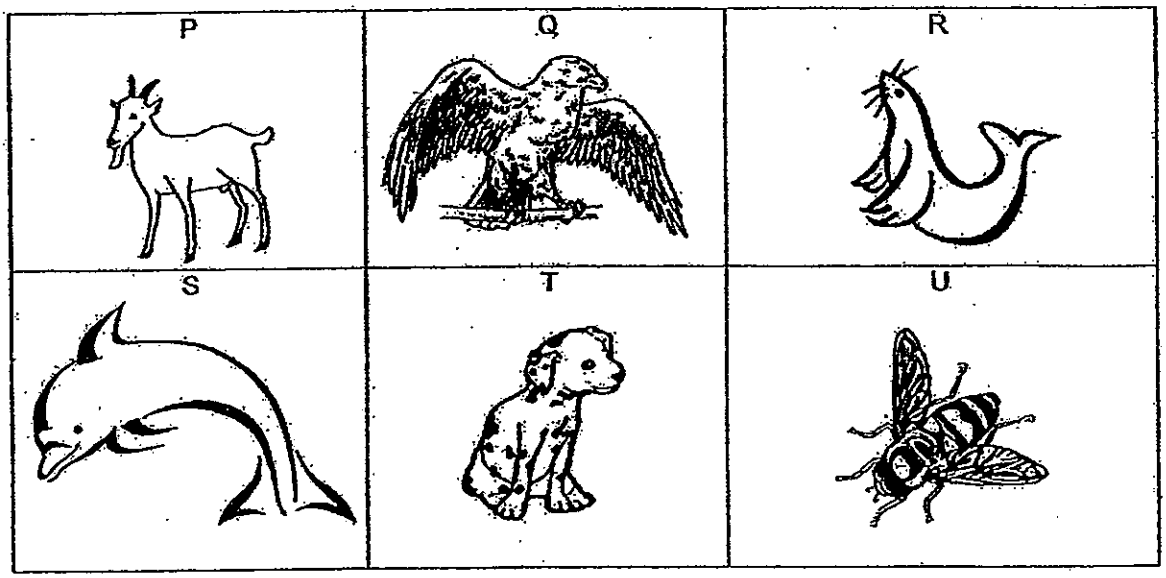
Base on the above diagram, Explain why it is not an insect? [1]

_____

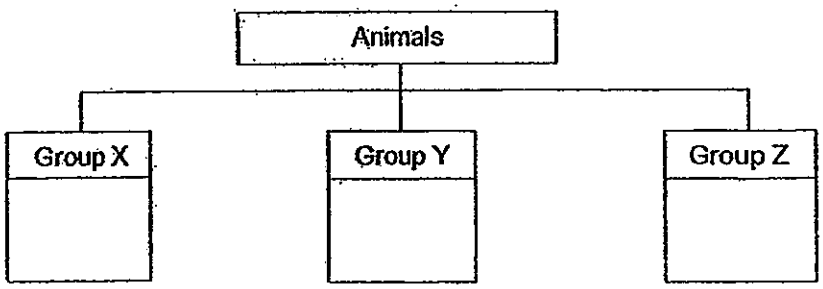
23

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39 Peter cuts out some pictures of different animals from a magazine. He groups them according to the body parts that help them to move.



(a) Peter used the table below to group the animals P to U into Group X, Y and Z. Write the letters P to U in the classification table below. Each group must have an equal number of animals. [1½]



(b) Give a suitable sub-heading for Groups X, Y and Z. [1½]

Group X: _____

Group Y: _____

Group Z: _____

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ANSWER SHEET

EXAM PAPER 2012
SCHOOL : ANGLO-CHINESE SCHOOL(JUNIOR)
SUBJECT : PRIMARY 3 - SCIENCE
TERM : SA 1

BOOKLET A

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

Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25
3	4	1	4	3	2	1	3	3

BOOKLET B

26. a) Group P: Have shell
Group Q: Have feathers
Group R: Have hair/ fur
b) P

27.

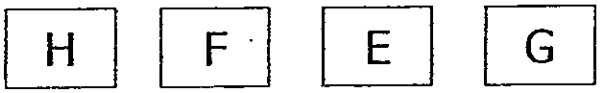
Cabbage	Broccoli	Apple
leaves	flower	fruit

28. a) B is a land plant and its flowers grow in clusters.
b) A is a land plant but C is a water plant.
c) B and D's flowers grow in clusters.

29. a) Q, T and S
b) They were classified in four edges.
c) Group X: Black Group Y: White

30. To hold the plant firmly to the ground.
Take in water and dissolved mineral salts.

31. a)



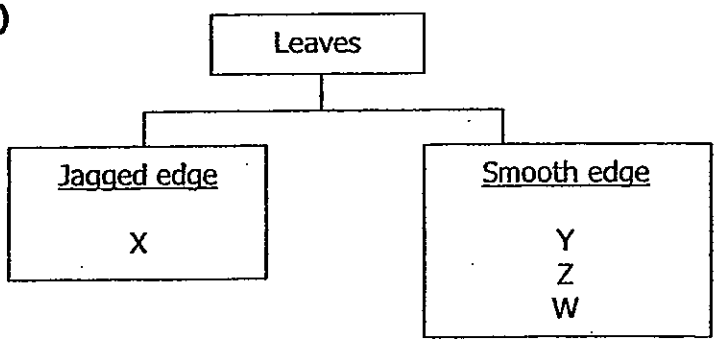
25

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31. b) Mango tree

32. a) It is in a heart shape and it has a smooth edge.

b)



33. a) They have wings.

b)

Give birth	Lay Eggs

c)

Can fly	Cannot fly
Bat	Ostrich
Pigeon	Penguin

34. a) Mammals
b) The rhinoceros gives birth to young alive but the platypus lays eggs.
c) Spiny anteater

35.

	Eat plants only	Eat animals only	Eat both plants and animals
Sheep	√		
Leopard		√	
Chicken			√
Caterpillar	√		

36. a) Container A.
b) So that the frog will have enough air.

EXAM PAPER 2012
SCHOOL : ANGLO-CHINESE SCHOOL(JUNIOR)

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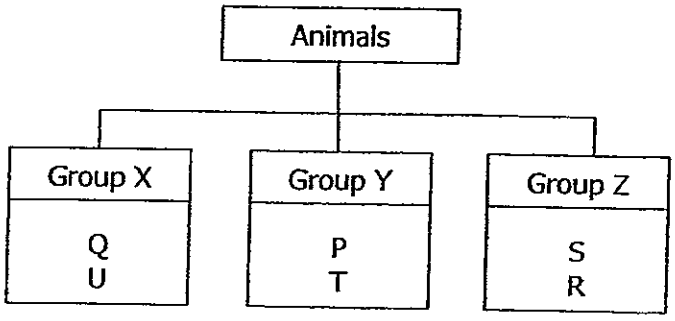
37. a)

Duck	Zebra	Angelfish	Hawk
W	Y	Z	X

b) Animal Y. A molly gives birth to young alive and animal Y gives birth to young alive as well.

38. a) P: head Q: wings R: thorax S: abdomen
b) It doesn't have six legs and it only has two body parts.

39. a)



b) Group X: Can fly
Group Y: Can walk
Group Z: Can swim

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