

Pei Chun Public School
Semestral Assessment 1 – 2008
Science
Primary 3

Name : _____ () Date : 9 May 2008

Class : Pri. 3 ()

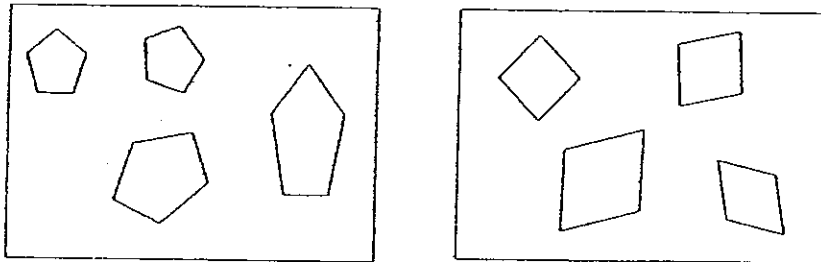
Science Teacher : _____

Time : 1h 30 min

Section A (25 × 2 marks)

For questions 1 to 25, choose the most suitable answer and shade its number (1, 2, 3 or 4) on the Optical Answer Sheet (OAS) provided.

1. Mavis classified some objects into two groups as shown below.



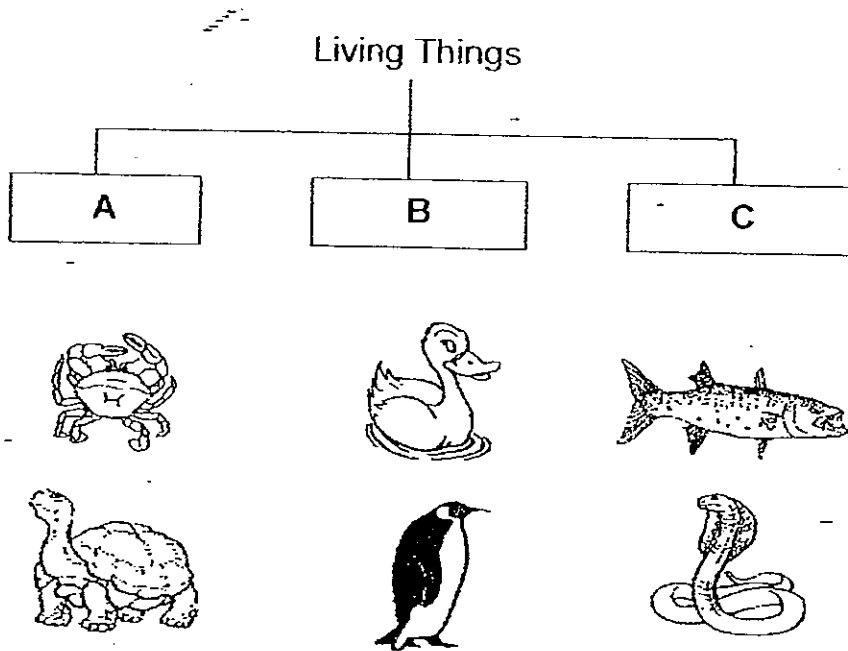
The objects in each group are _____.

- (1) similar in size
- (2) different in size
- (3) similar in shape
- (4) different in shape

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2. Which of the following groups consists of ~~only living things?~~ ()
- (1) sun, soil, grass
 - (2) dog, dragonfly, lion
 - (3) plastic cup, ant, rose plant
 - (4) water, a can of baked beans, fish bowl

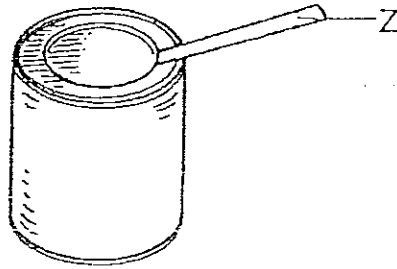
3. How are the living things below classified?



They are classified according to _____

- (1) the food they eat
 - (2) their body covering
 - (3) their natural homes
 - (4) the way they move around
- ()

4. Z is used to open the lid of the can.

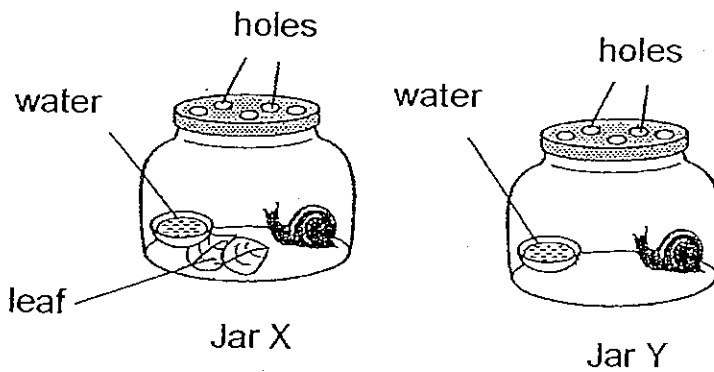


Which of the following is the best material to make Z?

- (1) metal
- (2) fabric
- (3) plastic
- (4) rubber

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5. John set up 2 jars, X and Y, shown below.



John predicted that the snail in Jar Y would die faster than that in Jar X due to the lack of _____.

- (1) air
- (2) light
- (3) food
- (4) water

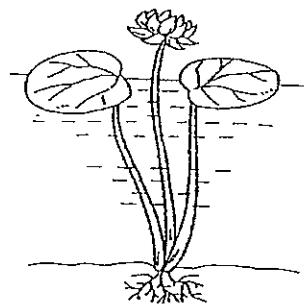
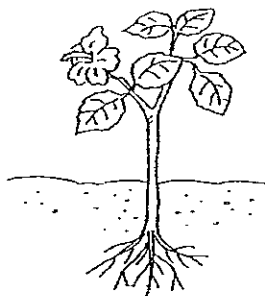
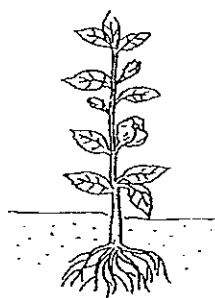
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6. Which of the following statements is ~~false~~?

- (1) All things that can die are living things.
- (2) All things that can move are living things.
- (3) All things that need food are living things.
- (4) All things that need air are living things.

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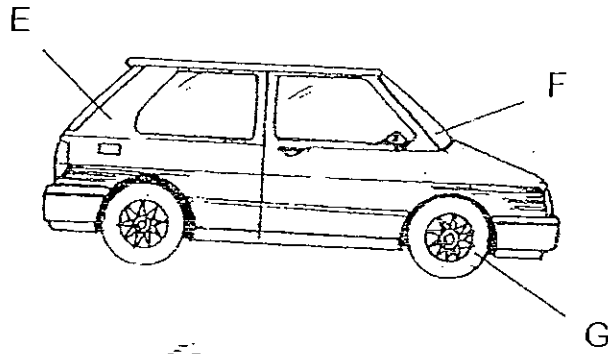
7. ~~Based on the diagrams below, how are the plants similar?~~



- (1) They grow in water.
- (2) They produce flowers.
- (3) They bear sweet tasting fruits.
- (4) They have strong woody stems.

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8. Parts of the car are labelled E, F and G.

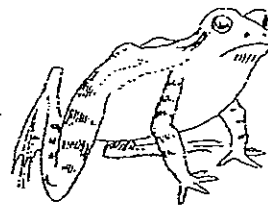
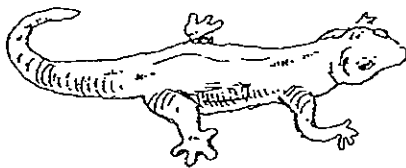


Which of the following are the best materials for making these parts?

	E	F	G
(1)	metal	glass	rubber
(2)	metal	rubber	glass
(3)	glass	metal	rubber
(4)	rubber	glass	metal

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9. Study the diagrams of the animals below.

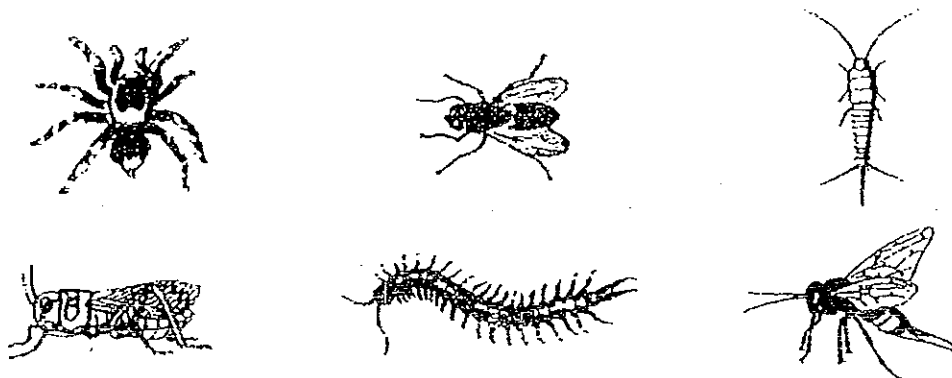


Based on what you can observe from the diagrams, which one of the following best states their similarity?

- (1) Both of them lay eggs.
- (2) Both of them eat insects.
- (3) Both of them have four legs.
- (4) Both of their bodies are covered with scales.

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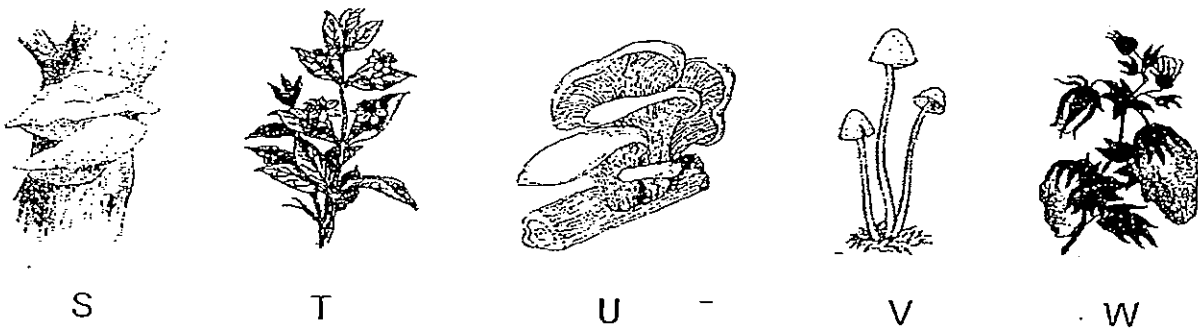
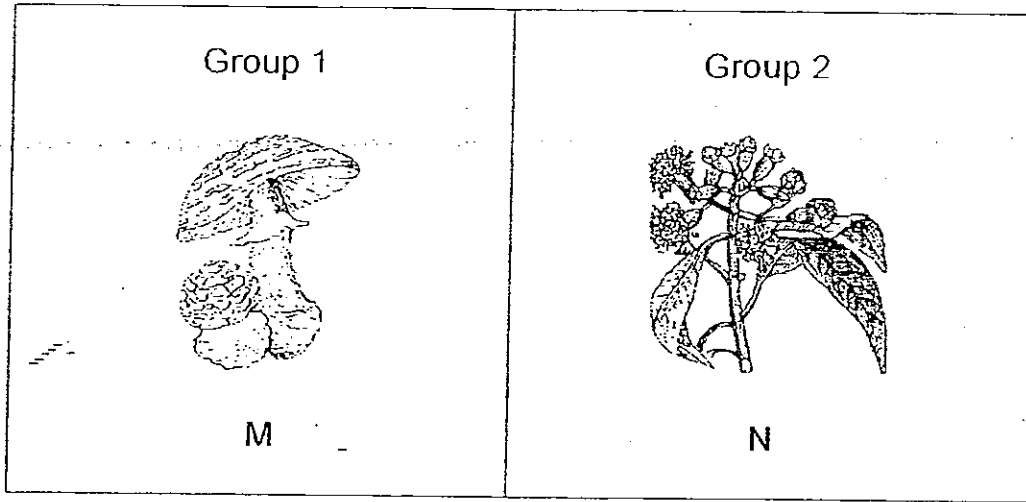
10. Study the diagrams below.



Which of the following headings classifies the six animals into 2 equal groups?

(1)	Not insects	Insects	
(2)	Animals with 8 legs or more	Animals with less than 8 legs	
(3)	Animals with feelers	Animals with no feelers	
(4)	Animals with no wings	Animals with wings	()

11. Organisms M and N are grouped under Group 1 and Group 2.



Muthu wants S, T, U, V and W to be separated into Group 1 and Group 2. Which of the following shows correctly how he should group them?

	Group 1	Group 2
(1)	S, U and V	T and W
(2)	S and U	T, V and W
(3)	U and V	S, T and W
(4)	T and W	S, U and V

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12. Joanne wants to select a material to make a carrier bag for her mother when she goes shopping. Which of the ~~physical properties~~ of the material must she consider?

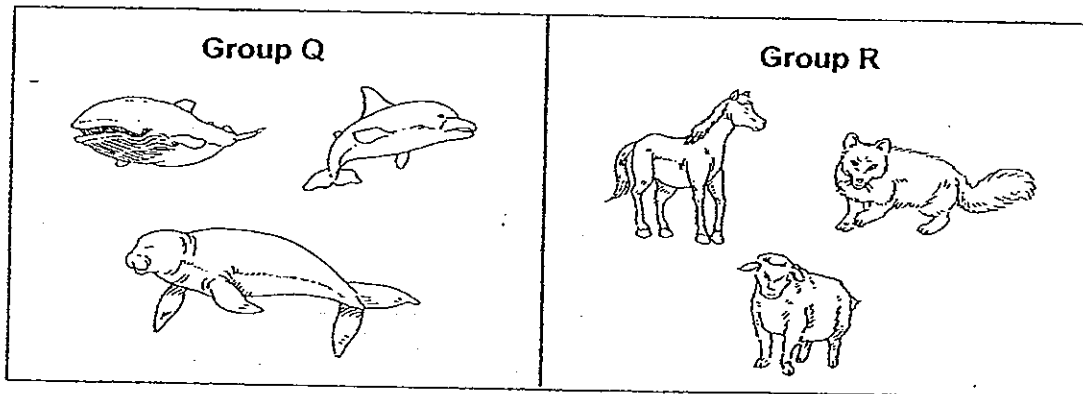
The material must be _____

- A: light
- B: hard
- C: strong
- D: able to float

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

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13. Study the two groups of animals below.

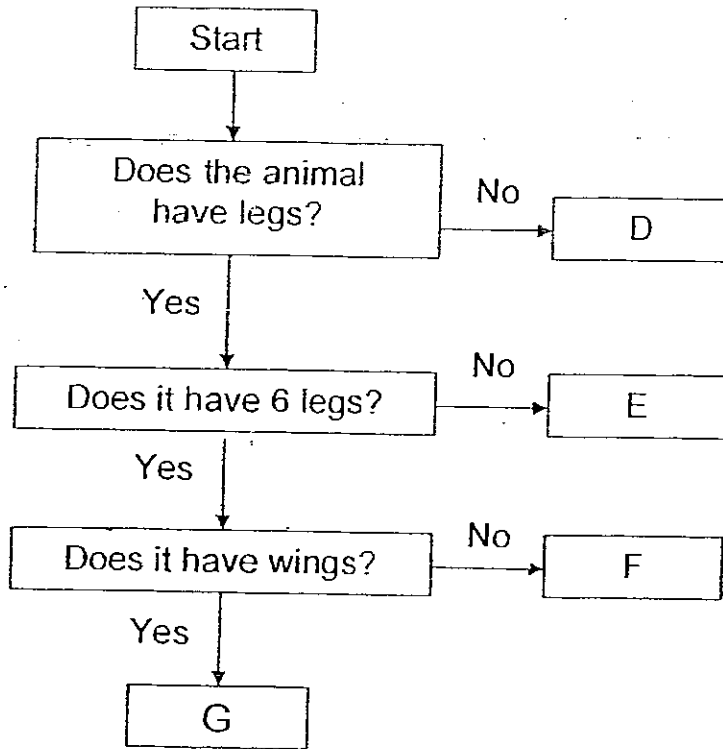


Which of the following groups the six animals ~~above correctly~~?

	Group Q	Group R
(1)	Live in water	Live on land
(2)	Lay eggs	Give birth to young
(3)	Eat only plants	Eat plants and animals
(4)	Do not have hair	Have hair

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14. Study the flow chart below.



Which animal below is ~~F~~?

(1)



(2)



(3)



(4)



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15. The table below shows how several items have been classified.

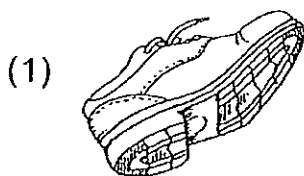
Group K	Group L
drinking glass	plastic bottle
porcelain plate	eraser
ceramic vase	textbook
window pane	wooden ruler

Which of the following are suitable headings for the two groups?

	Group K	Group L
(1)	Flexible	Inflexible
(2)	Not Waterproof	Waterproof
(3)	Break easily	Do not break easily
(4)	Float on water	Do not float on water

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16. Which one of these objects is made of one material only?



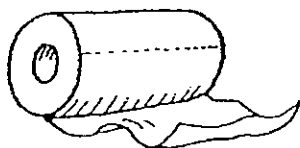
shoe

(2)



spectacles

(3)



kitchen towel



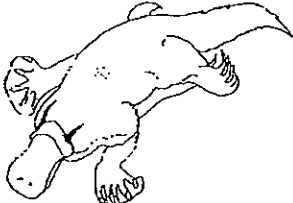
(4)



computer

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17. In the diagram below, P, Q and R represent the characteristics of the animals.

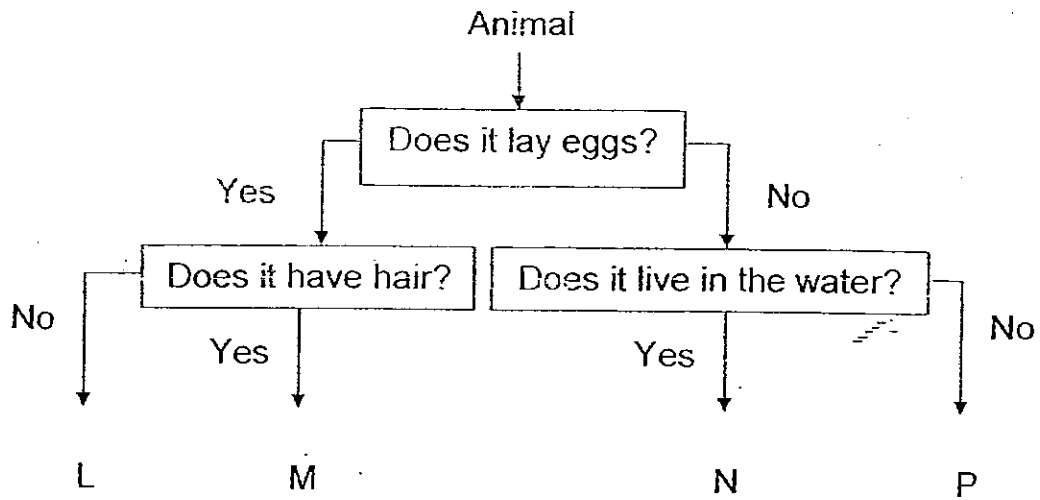
Animals	P	Q	R
 bat	✓		
 ostrich		✓	✓
 platypus			✓

Which of the following characteristics do P, Q and R stand for?

	P	Q	R
(1)	can fly	lay eggs	has feathers
(2)	can fly	has feathers	lay eggs
(3)	has feathers	can fly	lay eggs
(4)	has feathers	lay eggs	can fly

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18. Study the flow chart below.

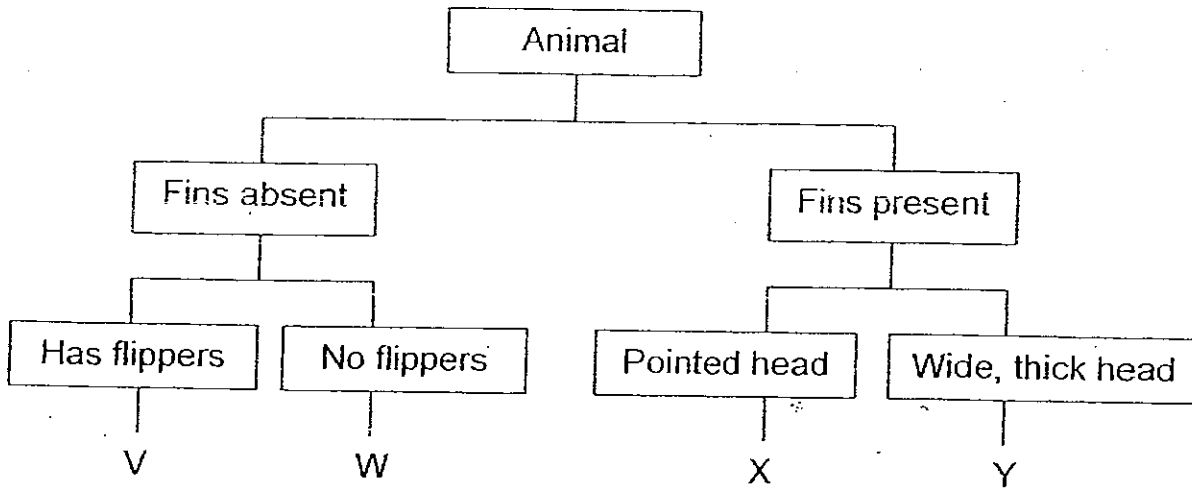


What should the animals L, M, N and P be?

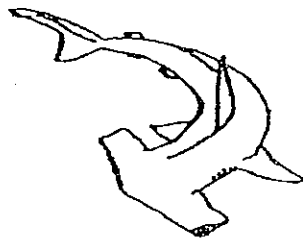
	L	M	N	P
(1)	spiny anteater	eagle	guppy	rabbit
(2)	eagle	spiny anteater	guppy	rabbit
(3)	guppy	rabbit	spiny anteater	bat
(4)	rabbit	bat	spiny anteater	eagle

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19. Study the classification table below.



Which group does the animal below belong to?



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

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20. Study the diagrams below.



~~What can be seen from the diagrams?~~

- (1) Both animals can fly.
- (2) Both animals lay eggs.
- (3) Both animals build nests.
- (4) Both animals have beaks.

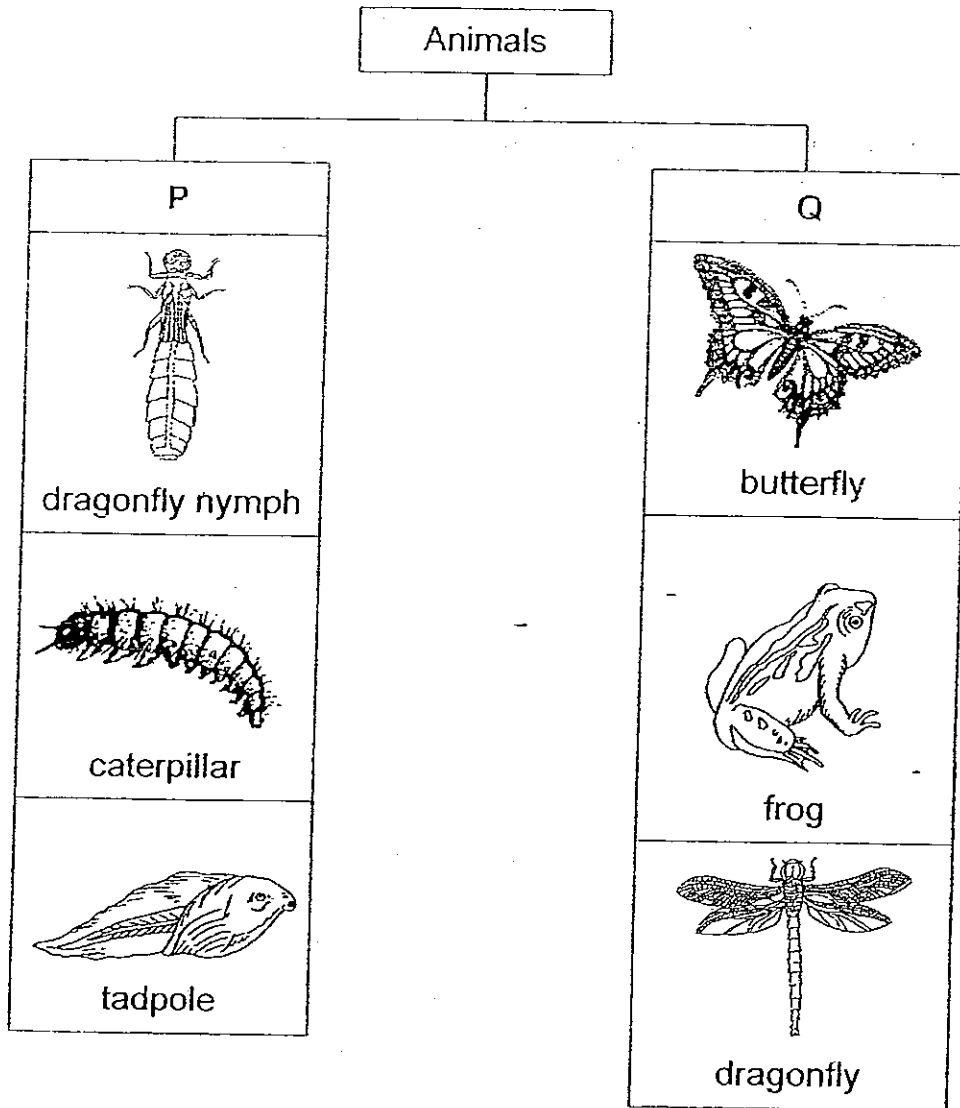
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21. Which of the following statements ~~about fungi is false?~~

- (1) They have flowers.
- (2) They are living things.
- (3) They need water to stay alive.
- (4) They produce spores for reproduction.

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22. Xiuming prepared a classification diagram shown below.



Which of the following did Xiuming use to group the animals?

	P	Q
(1)	no body covering	has body covering
(2)	young	adult
(3)	useful	harmful
(4)	live in water	live on land

()

23. Z has the following properties :

- Can be useful or harmful
- Very tiny
- Can only be seen with a microscope

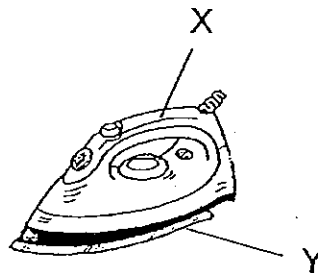
What can Z be?

- A : Bacteria
 B : Bracket fungi
 C : Fungi

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

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24. Look at the diagram of the iron below.

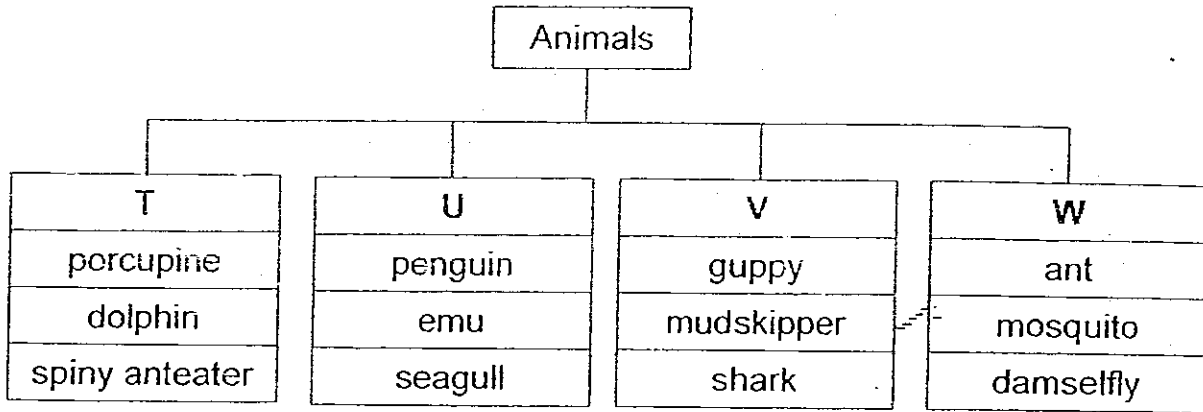


What materials are the parts X and Y most likely made of?

	X	Y
(1)	plastic	ceramics
(2)	metal	plastic
(3)	ceramics	glass
(4)	plastic	metal

()

25. Study the classification diagram below.



What should the headings T, U, V and W be?

	T	U	V	W
(1)	Mammals	Birds	Fishes	Insects
(2)	Fishes	Birds	Mammals	Insects
(3)	Mammals	Insects	Fishes	Birds
(4)	Fishes	Mammals	Insects	Birds

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For Questions 26 to 30, please refer to Booklet K.

End of Section A

Pei Chun Public School
Semestral Assessment 1 - 2008
Science
Primary 3

Name: _____ ()

Class: Pri. 3 ()

Date: 9 May 2008

Time: 1 hr 30 min

Science Teacher: _____

Parent's Signature: _____

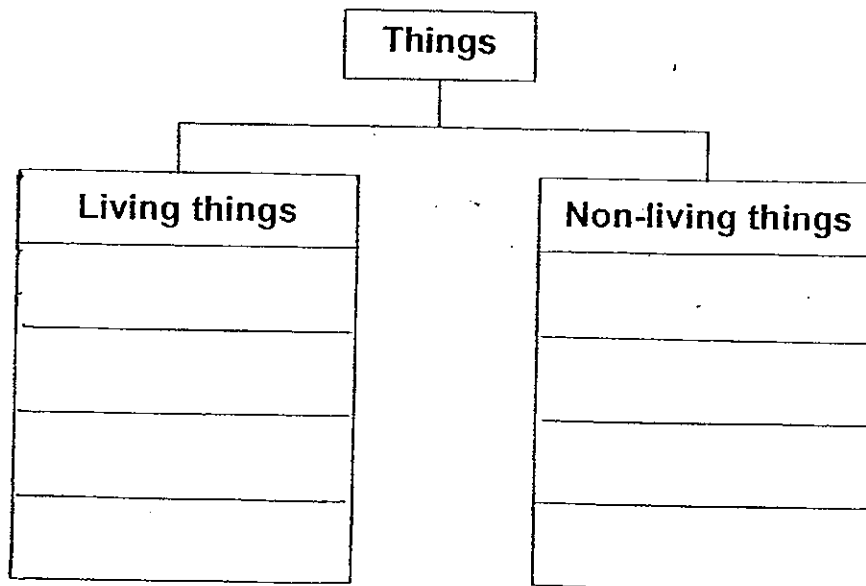
Section A	60
Section B	30
Booklet K (excludes MCQ Qns)	10
Total	100

Section B (30 marks)

For questions 31 to 42, write your answers in the spaces provided.

31. Classify the things in the box below into the correct columns. (2m)

rose plant	roasted duck	butterfly	leather shoes
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32. Write 'T' if the statement is true and 'F' if it is false in the brackets provided. (2m)

- (a) Trees are living things. ()
- (b) A flowing river is a living thing. ()
- (c) The Sun is a living thing. ()
- (d) Wood comes from trees, therefore a wooden table is a living thing. ()

33. (a) The table below shows the properties of some materials. Write 'Metal Spoon' and 'Wooden Block' in the correct boxes below. 'Bath Towel' is an example done for you. (1m)

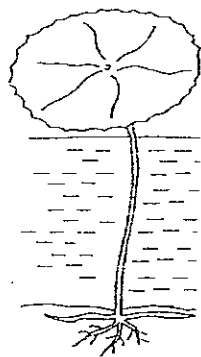
Properties of Materials	Hard	Soft
Float		
Sink		Bath Towel

(b) Look at the table above, write down two properties of the 'Bath Towel'. (2m)

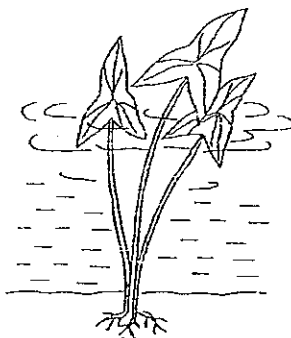
1st property : _____

2nd property : _____

34. Observe the plants in the diagrams below.



X



Y

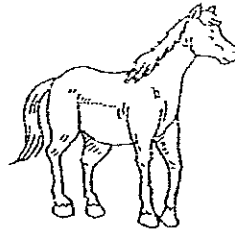
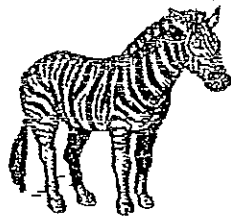
(a) In what way is Plant X similar to Plant Y?

(1m)

(b) In what way is the shape of the leaf of Plant X different from the leaf of Plant Y?

(1m)

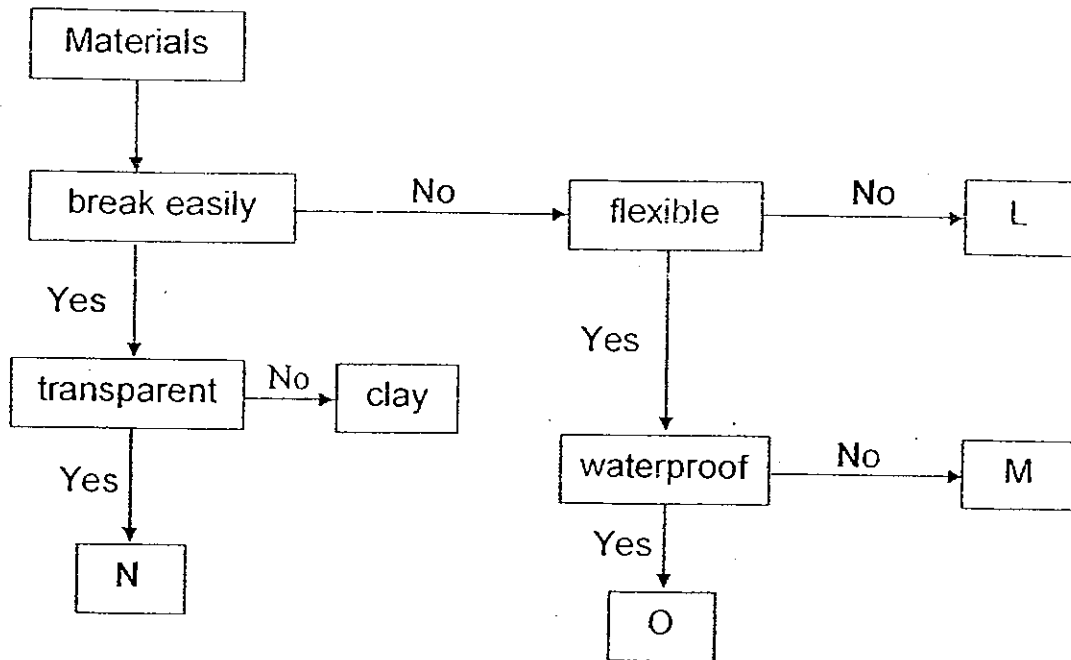
35. Look at the diagrams below.






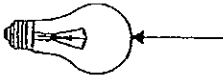


Based on the diagrams, put a tick (✓) in the boxes below to show if the statements about the animals are true, false or not possible to tell. (2m)

	True	False	Not possible - to tell
A They have teeth.			
B They have legs and a tail.			
C They feed on plants only.			
D They have the same body shape.			

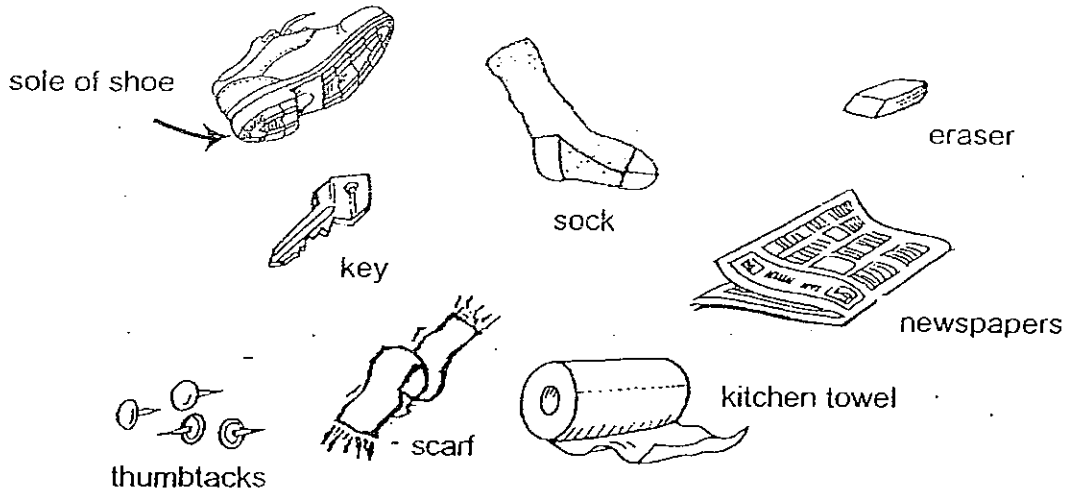
36. Study the flow chart below. L, M, N and O are four different materials.



Based on the information given in the flow chart, which of the following objects are made of the materials L, M, N and O? Write the letters in the correct boxes below. (3m)

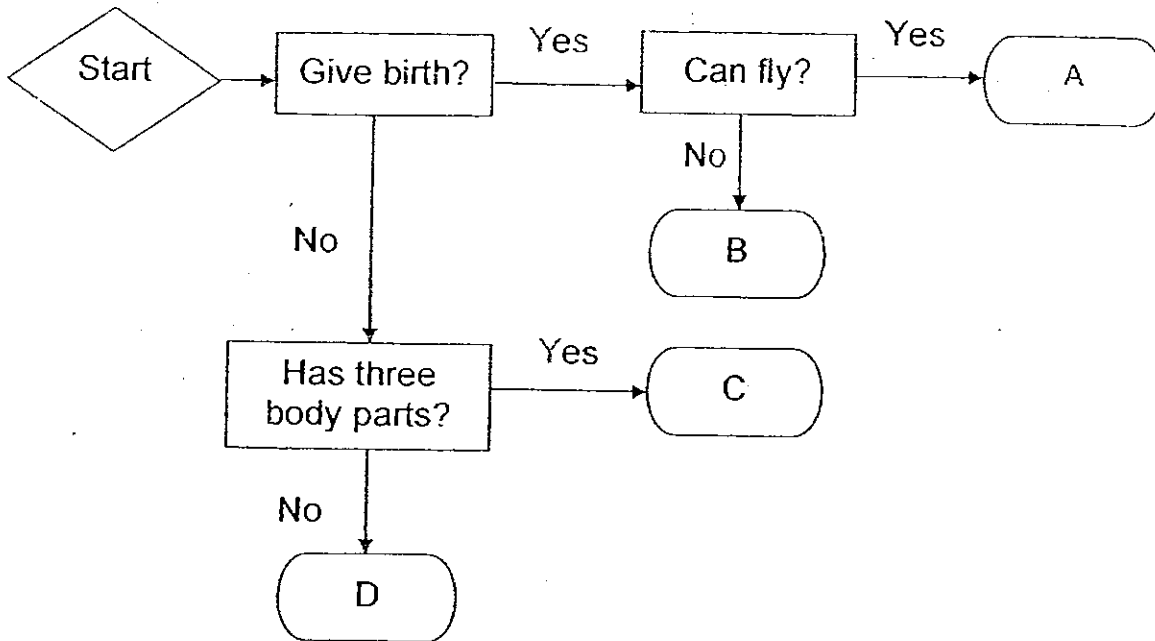
a)		
b)		
c)		
d)		
e)		
f)		

37. Mathi found some items in his store room. Help him to sort these things by writing their names in the correct columns below. (2m)



Metal	Paper	Rubber	Fabric

38. Study the flowchart carefully. Letters A, B, C and D represent different animals.



(a) Name two characteristics of animal C. (1m)

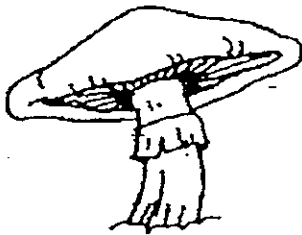
(b) Write the letter A, B, C or D that best represents the following animals in the boxes below. (2m)

Deer	Mosquito	Bat	Parrot

39. The table below shows different movements of animals.
Put a (✓) in the correct boxes. Tick only one box per animal. (3m)

Animal	Movement				
	crawl	fly	glide	hop	swim
dolphin					
rabbit					
millipede					
snake					
butterfly					
guppy					

40. Study the diagrams of the organisms below.



M

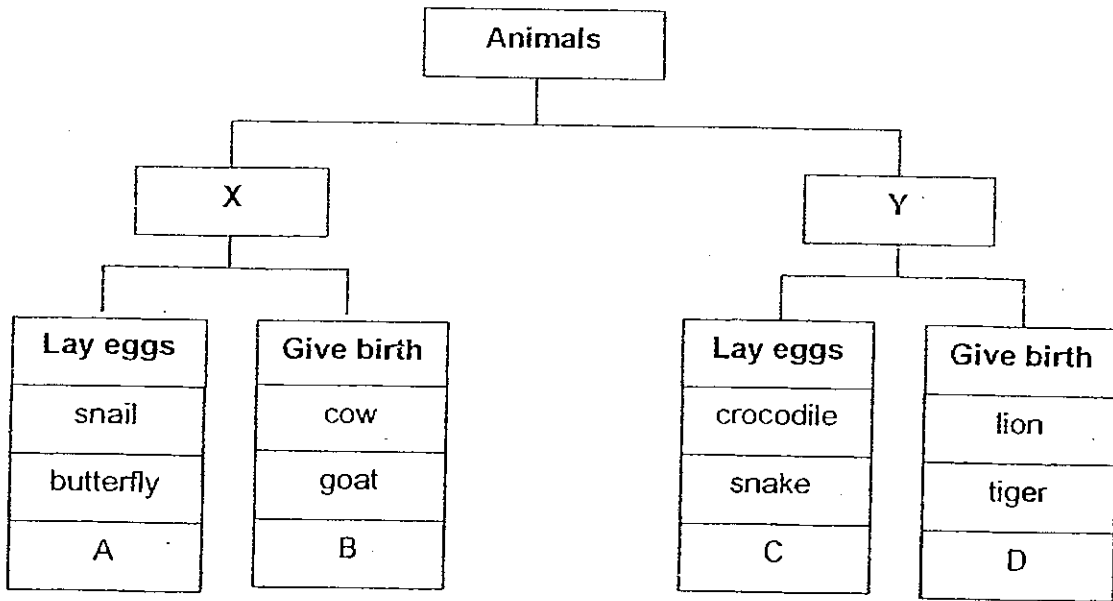


N

- (a) Which of the above, M or N, is not a plant? Which group of living things does it belong to? (1m)

- (b) Comparing the two diagrams, explain why the organism named in (a) is not a plant. (2m)

41. Study the classification diagram below.



(a) Give suitable headings for X and Y. (2m)

X: _____

Y: _____

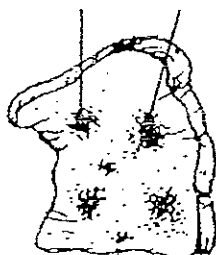
(b) From the classification diagram above, write the letters A, B, C or D to represent 'horse' and 'cheetah'. (1m)

i) horse :

ii) cheetah :

42. Peter left two clear plastic bags in a warm place for four days. One plastic bag has a piece of moist bread in it while the other bag has a piece of toasted bread in it. The piece of moist bread is covered with brownish coloured patches.

brownish coloured patches



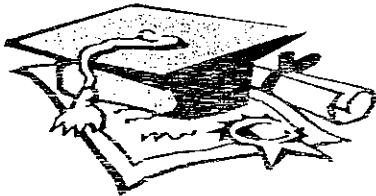
- (a) Name the organism that has caused the brownish coloured patches on the piece of moist bread. (1m)

- (b) Explain why the brownish coloured patches did not appear on the toasted bread. (1m)

For Questions 43 to 46, please refer to Booklet K.

End of Section B

Set by : Mr Kay Wee Peng
Vetted by : P3 Science Committee Teachers



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : PEI CHUN PRIMARY SCHOOL
 SUBJECT : PRIMARY 3 SCIENCE

TERM : SA 1

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

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

31) Living things

Rose plant
 Butterfly

Non-living things

Roasted duck
 Leather shoes

32) a)T b)F c)F d)F

33) a)Float: Wooden block

Sink: Metal spoon

b) 1)It is soft. 2)It can sink.

34) a)They both grow in water.

b) Plant X leaf is a circular but plant Y leaf is a triangular.

35) A:Not B)T C)Not D)T

36) a)O b)M c)L d)N e)L f)N

37) Metal

Key
 Thumbtacks

Paper

newspapers
 kitchen towel

Rubber

eraser
 sole of shoe

Fabric

sock
 scarf

38)a)It has three body parts. It does not give birth.

b)B,C,A,D

39)dolphin→swim

Rabbit→hop

Millipede→crawl

Snake→glide

Butterfly→fly

Guppy→swim

40)a)M is not a plant. It is a fungi.

b)It does not have leaves so it cannot make food.

41)a)X: Herbivores Y: Carnivores

b)i)B ii)D

42)a)Bread mould.

b)It did not have moisture so coloured patches did not grow on it.