Rosyth School
First Semestral Assessment for 2006
SCIENCE
Primary 6 EM1/2

Total Marks: ____/100

Name: _____

Class: Pr 6___ Register No. _____ Duration: 1 h 45 mins

Date: 10 May 06 Parent's Signature: _____

Booklet A

Instructions to Pupils:

1. Do not open the booklets, A and B until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 2 booklets, A and B.
4. For questions 1 to 30 in Booklet A, shade the correct ovals on the Optical Answer Sheet (OAS) provided using a 2B pencil.
5. For questions 31 to 46, give your answers in the spaces given in the Booklet B.

	Maximum	Marks Obtained
Booklet A	**60 marks**	
Booklet B	**40 marks**	
Total	**100 marks**	

* This booklet consists of **19** pages .

25 - 26

PART I (60 MARKS)

For each question from 1 to 30, 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. Study the classification table below. In which group (1,2,3 or 4) are the organisms correctly classified?

GROUP	Parts that are eaten		
	Seed	Fruit	Stem
1	Red bean	Cucumber	Ginger
2	Spinach	Tomato	Potato
3	Groundnut	Carrot	Cabbage
4	Pea	Tapioca	Onion

2. Jill classified some organisms she observed into two groups as shown below.

ORGANISMS

Group X	Group Y
Bird's Nest Fern	Balsam
Bracket fern	Hibiscus
Bread Mould	Mimosa

Which one of the following can be the headings for Groups X and Y?

	Group X	Group Y
(1)	With Stem	Without stem
(2)	With Leaves	Without leaves
(3)	Has Fruits	Has no fruits
(4)	Has no flowers	Has flowers

(Go on to the next page)

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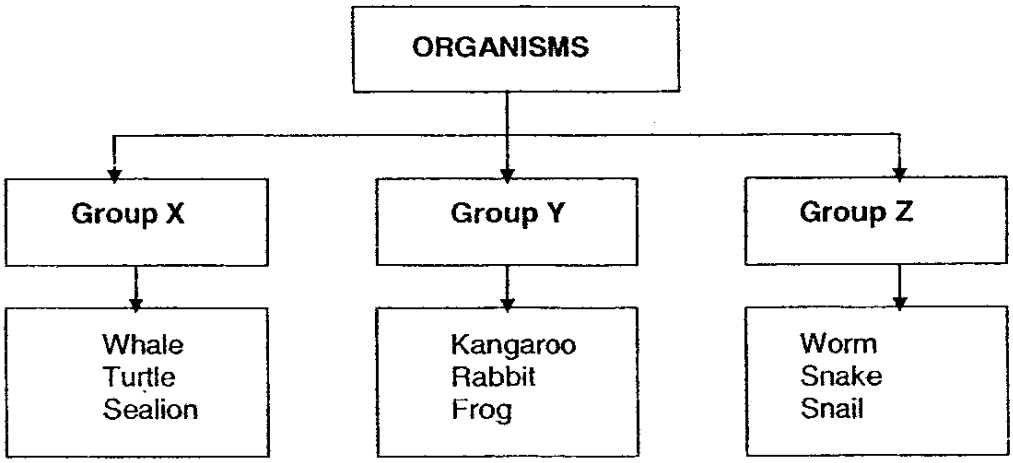
3. The table shows some animals grouped according to their habitats.

Habitat	Animals
A	Shark, Whale, Jellyfish
B	Crab, Mudskipper, Snake
C	Lizard, Wild boar, Monkey
D	Lion, Deer, Giraffe

In which of the habitats （A, B, C or D） are you most likely to find a crocodile?

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

4. Study the classification chart shown below carefully.



How are the animals shown above being classified?

(1) They are classified according to their outer covering.
(2) They are classified according to the food they eat.
(3) They are classified according to the way they move.
(4) They are classified according to their body form.

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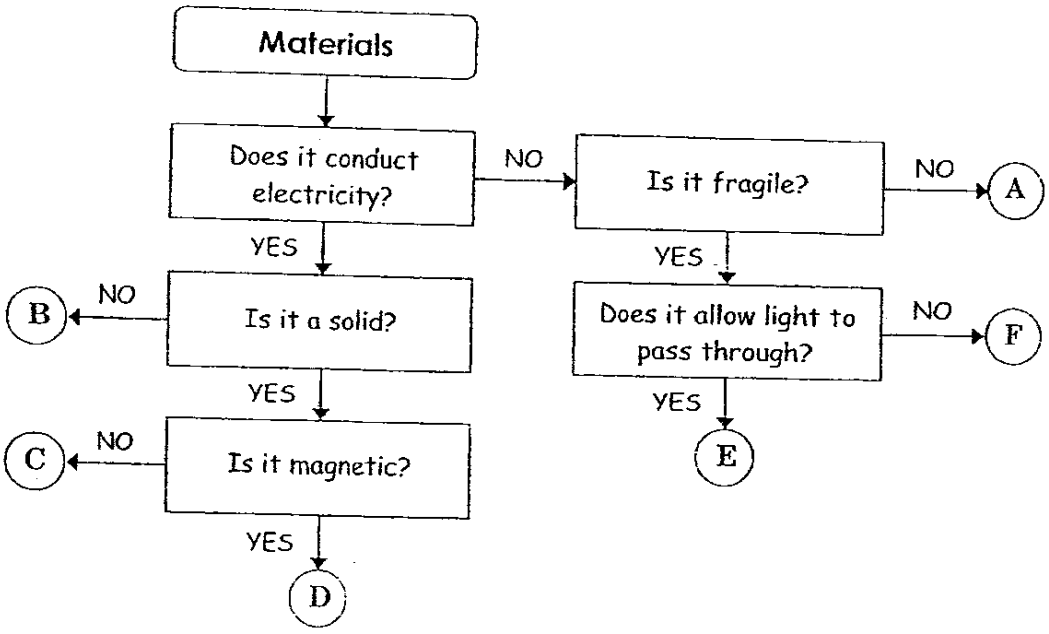
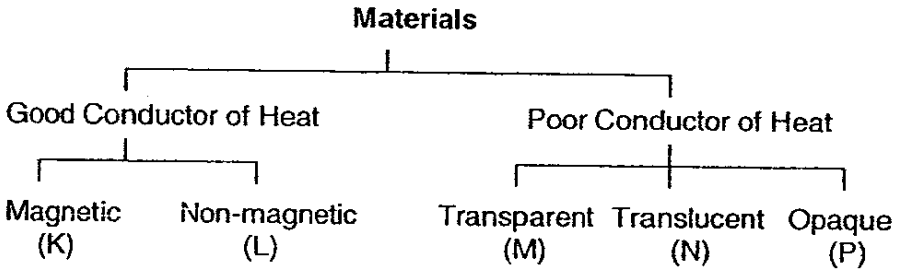
5. The flow chart below shows the properties of materials A to D.



Which of the materials could most likely represent A, B, C and D?

	A	B	C	D
(1)	Aluminium	Steel	Glass	Wool
(2)	Glass	Mercury	Steel	Rubber
(3)	Aluminium	Steel	Rubber	Ceramic
(4)	Rubber	Mercury	Aluminium	Steel

6. Study the classification chart below carefully.



Which of the following correctly shows the materials that are represented by the letters K , L, M, N and P?

	K	L	M	N	P
(1)	Silver	Aluminium	Clear Glass	Tissue Paper	Wood
(2)	Steel	Nickel	Clear Plastic	Frosted Glass	Clear Plastic
(3)	Iron	Copper	Clear Glass	Frosted Glass	Leather
(4)	Steel	Gold	Clear Plastic	Styrofoam	Cloth

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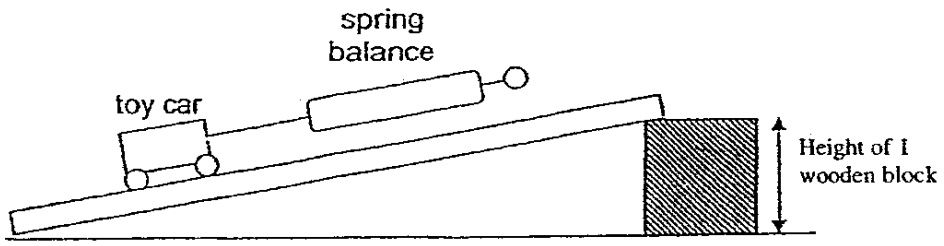
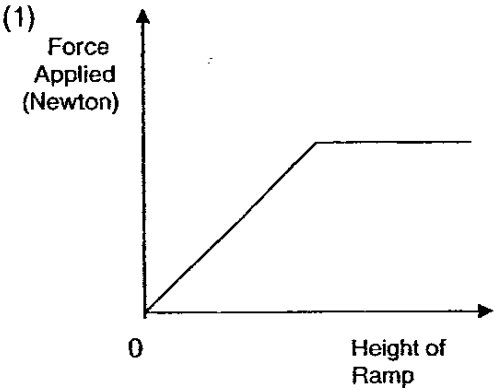
7. Miss Lee carried out an experiment with her class to find out how the force applied to pull a toy car up a ramp varied with the height of the ramp as shown in the diagram below. They varied the height by changing the number of wooden blocks.

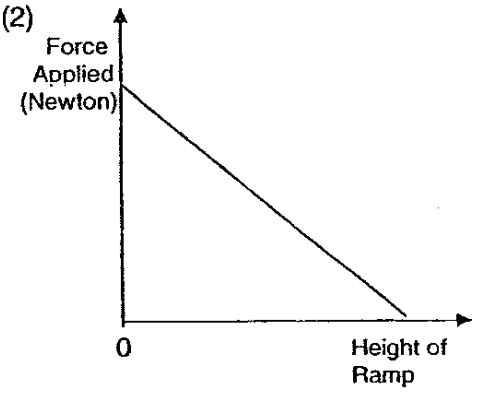


Which one of the following graph shows their results?

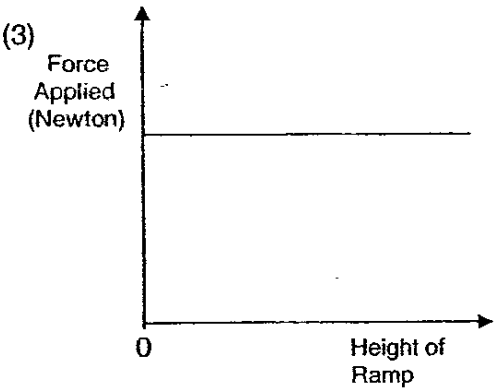
(1)



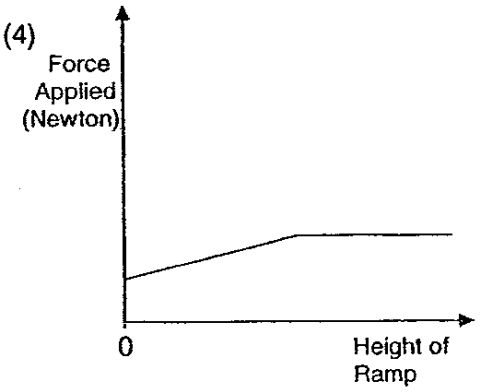
(2)



(3)



(4)



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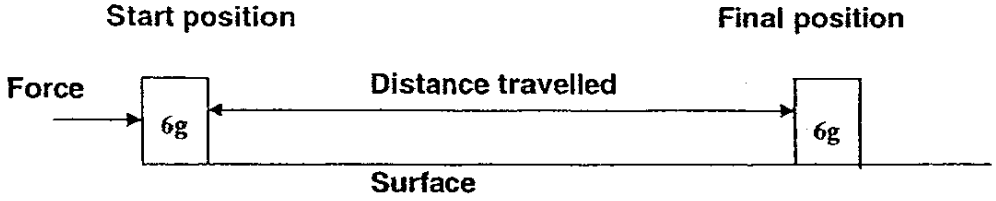
8. Peter pushed an object of mass 6 grams over a distance on four different surfaces P, Q, R and S. He used the same amount of force to push the object on each surface.



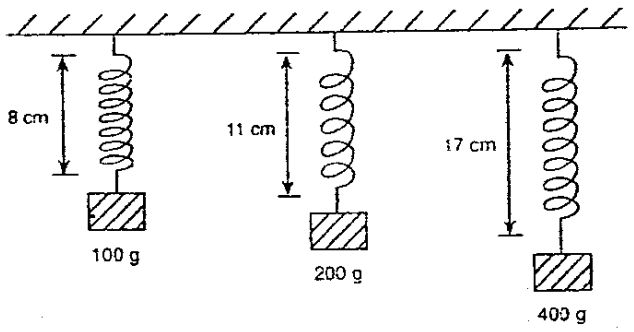
The distance travelled and the time taken by the object on each surface was recorded in the table shown below.

Surface	Distance travelled (cm)	Time taken (sec)
P	110	6
Q	120	5
R	100	5
S	100	6

Which surface (P, Q, R or S) has the most amount of friction?

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

9. The diagram below shows the length of a spring when different weights were hung on it.



What is the original length of the spring most likely to be?

(1) 5 cm (2) 8 cm
(3) 11 cm (4) 20 cm

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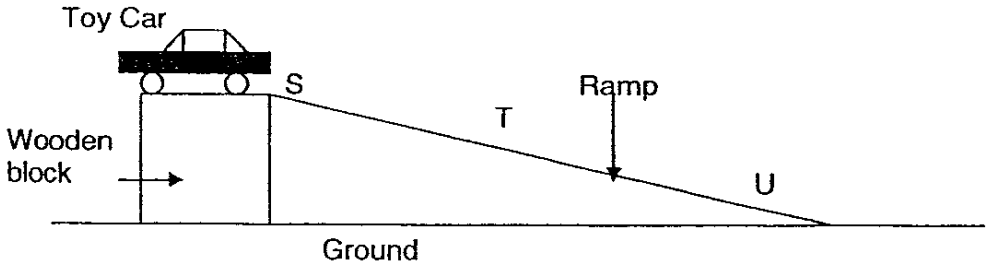
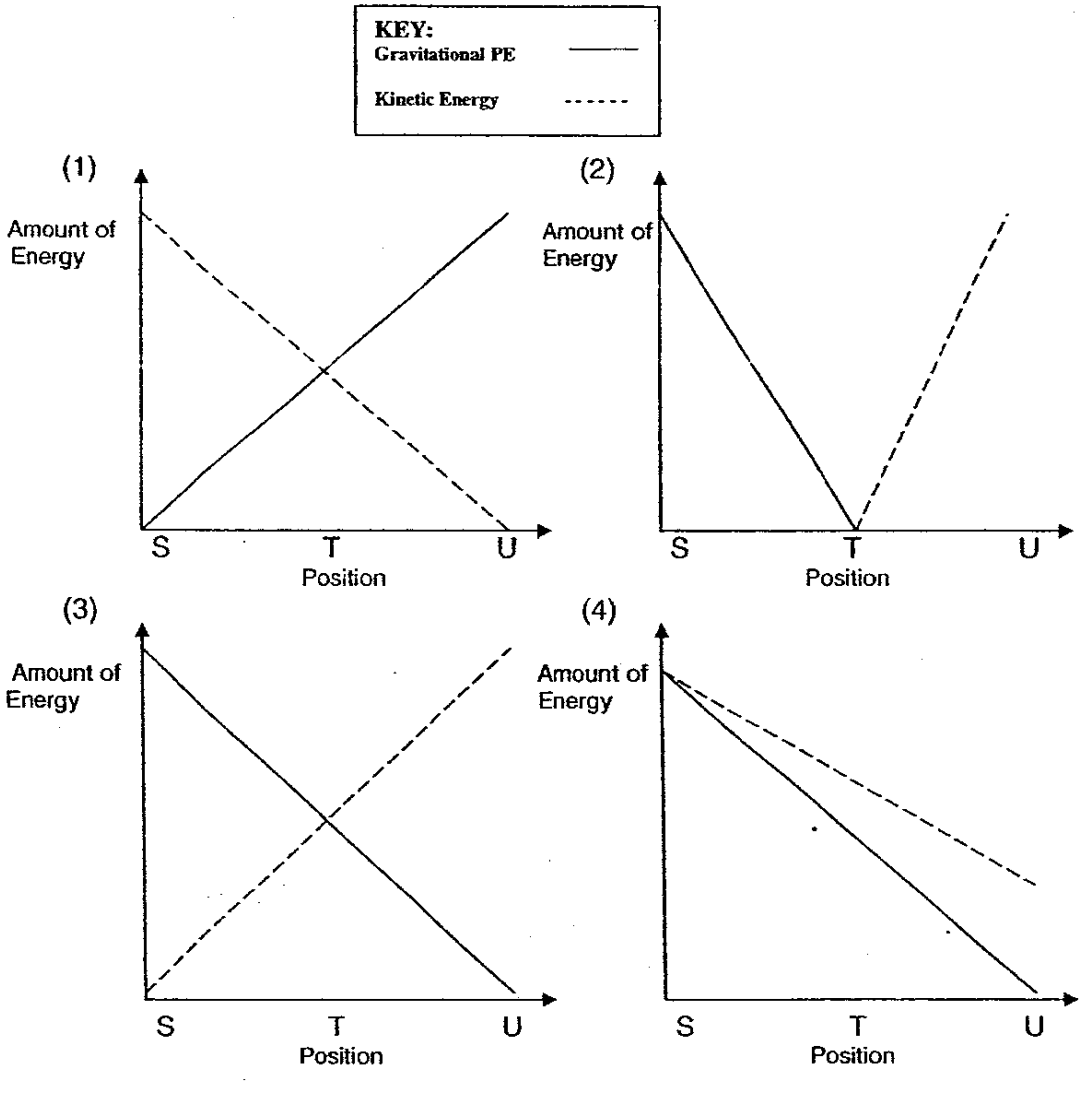
10. Jonathan placed a toy car on a ramp as shown below. He then gave the toy car a push and the toy car rolled down the ramp. The toy car stopped after sometime.



Which one of the following graphs correctly represents the change in the amount of Gravitational Potential Energy and Kinetic Energy as the toy car rolled down the ramp (from S to U)?



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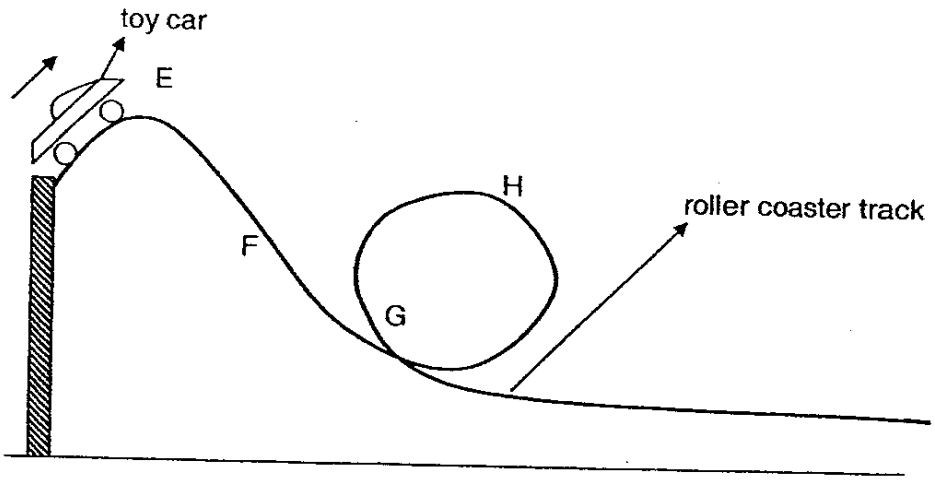
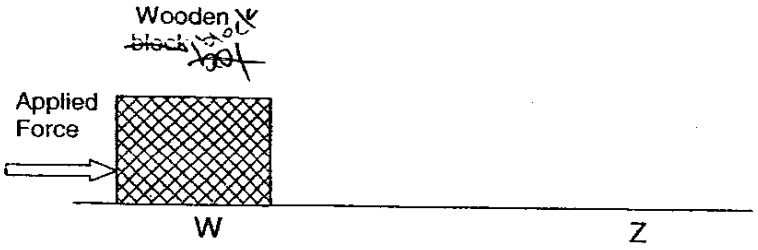
11. The picture below shows the path taken by a toy car on a toy roller coaster track.



Arrange the amount of Gravitational Potential Energy the toy car possessed in descending order (from the most Gravitational Potential Energy to the least).

(1) E, F, G, H
(2) E, F, H, G
(2) E, H, F, G
(4) E, G, H, F

12. The wooden ~~box~~ block needs to be moved from position W to Z, as shown in the diagram below.



Which one of the following must happen?

(1) The gravitational force and the frictional force acting on the block must be equal.
(2) The frictional force acting against the block must be greater than the applied force.
(3) The force applied on the block must be greater than the frictional force acting against it.
(4) The frictional force acting against the block must be greater than the gravitational force acting on it.

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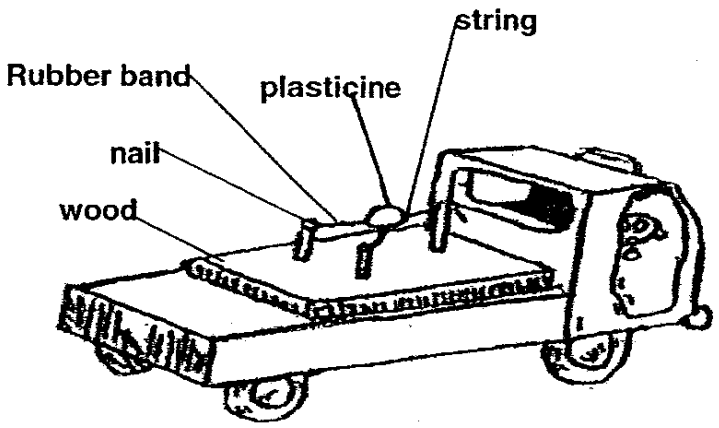
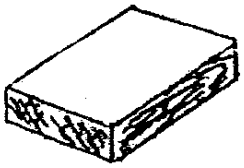
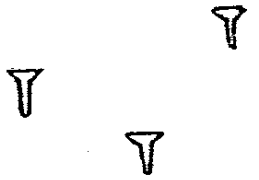
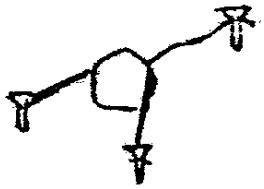
13. Study the picture below carefully.



The toy car will move forward when the string is cut to release the plasticine.
Which of the following will enable the truck to travel the greatest distance?

		
W – increase the size of the wood	**X** – increase the distance between the nails	**Y** – place more plasticine on the rubber band

(1) W only
(2) X only
(3) W and Y only
(4) X and Y only

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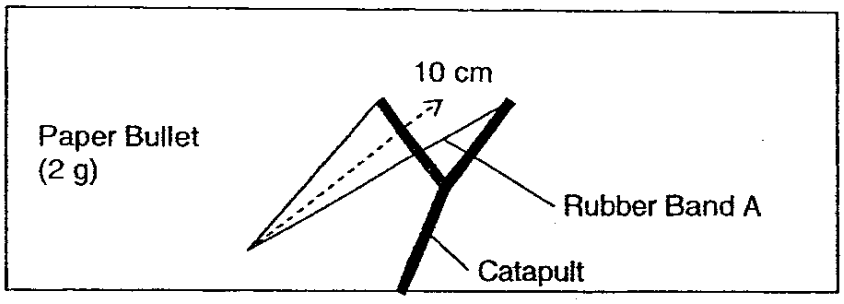
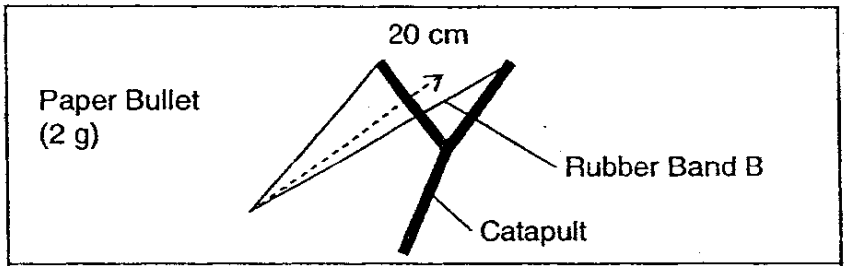
14. Henry wanted to find out which rubber band, A or B, would help him to shoot a paper bullet a further distance. He first carried out the experiment with rubber band A as shown below.

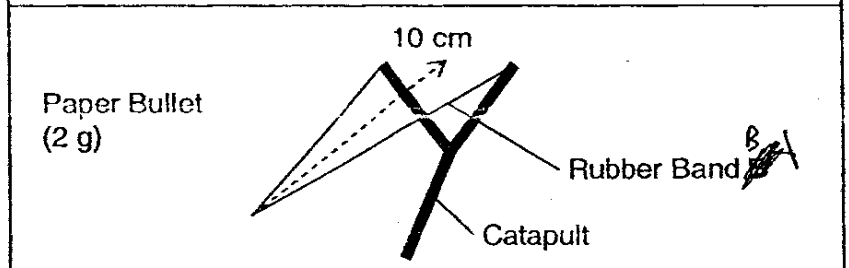


Which one of the following shows what Henry should do to carry out the test on Rubber Band B so that his comparison is a fair one?

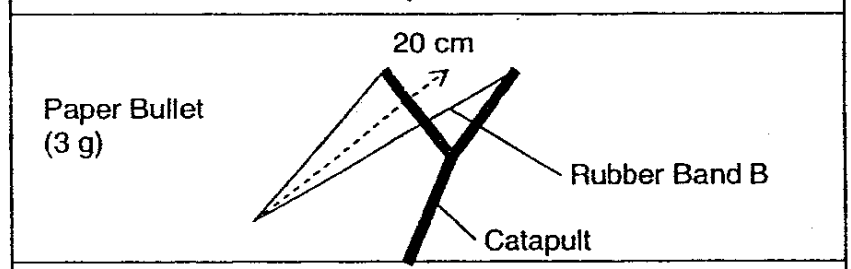
(1)



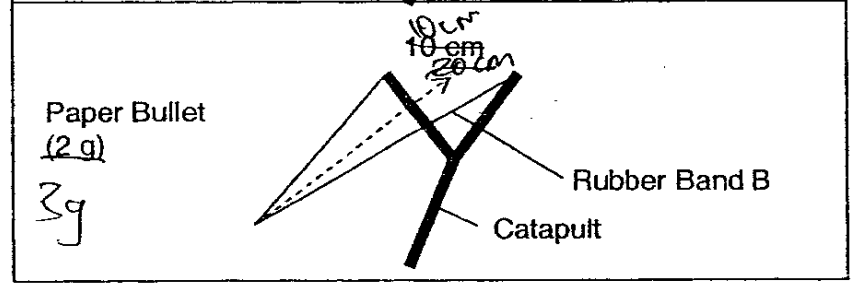
(2)



(3)



(4)



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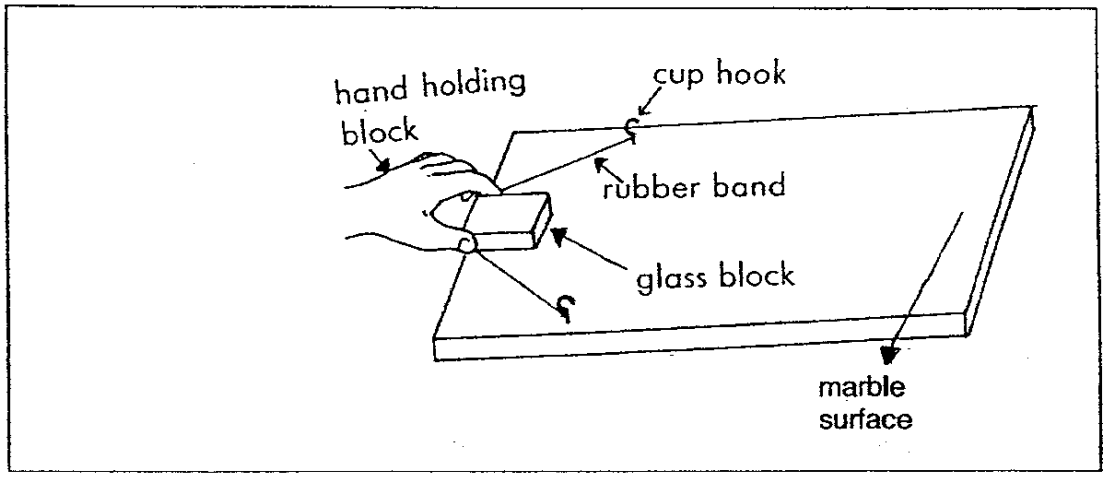
15. A glass block is made to move over a marble surface in an experiment as shown in the diagram below.



Different liquid samples, K, L, M and N, were applied on the surface one at a time. The glass block was released and the distance moved was recorded for each sample. These liquids are test samples to determine which one is the best lubricant to be used on a marble floor. The results were tabulated as shown below.

Liquid sample	Distance moved by the glass block in cm
K	24
L	32
M	40
N	15

Which liquid was able to reduce friction the most?

(1) K (2) L
(3) M (4) N

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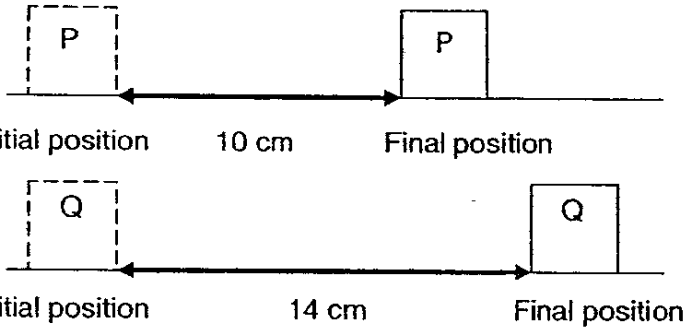
16. Two identical blocks of wood, P and Q, were pushed with an equal force as shown below. The distance moved by each block of wood was recorded.

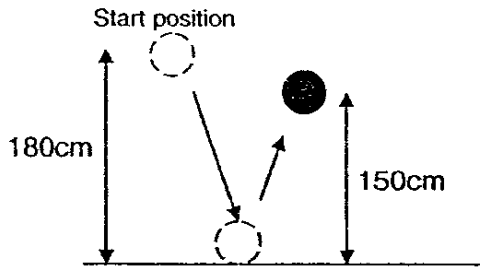


Based on the above information, what is the likely reason that caused block Q to move further than block P?

A: The surface along which block P was pushed was wet and rough.
B: The surface along which block P was pushed was dry and smooth.
C: The surface along which block Q was pushed was wet and smooth.
D: The surface along which block Q was pushed was dry and rough.

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

17. Peter dropped a ball from a height of 180cm. It bounced up and down several times before coming to a stop. He noticed that after each bounce, the ball reached a height that was 30cm less than the previous height. An example is shown below.



How many bounces did the ball take to lose half of its gravitational potential energy it originally had at the height of 180cm?

(1) 2 (2) 3
(3) 4 (4) 5

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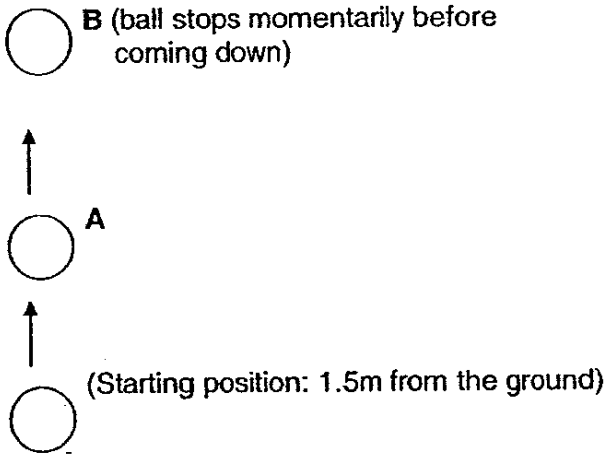
18. When a ball is thrown into the air, the ball may possess potential energy (PE), kinetic energy (KE) or a combination of both types of energy (PE + KE).



Identify the type(s) of energy the ball possesses at positions A and B, as the ball moves up into the air before coming down.

(1)

Position	Type of Energy		
	PE	KE	PE + KE
A	√		
B			√

(2)

Position	Type of Energy		
	PE	KE	PE + KE
A		√	
B		√	

(3)

Position	Type of Energy		
	PE	KE	PE + KE
A	√		
B		√	

(4)

Position	Type of Energy		
	PE	KE	PE + KE
A			√
B	√		

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19 The picture below shows toadstools growing on a dead log.

Which of the following best explains why the dead log is important to the toadstools?

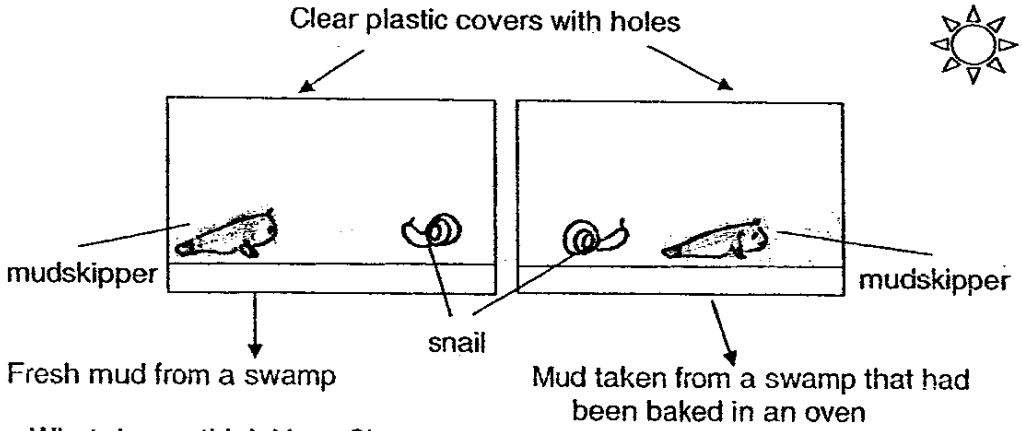
(1) The dead log provides carbon dioxide for the toadstools.
(2) The dead log helps the toadstools to make food.
(3) The dead log provides nutrients for the toadstools.
(4) The dead log provides the support for the toadstools to reproduce.

20. Which of the following correctly state how completely submerged plants are helpful to animals?

A: They can be a source of food for the animals.
B: They provide animals with shelter.
C: They take in the carbon dioxide given out by the animals.
D: They provide the animals with places to lay eggs.

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

21. Yong Sheng conducted an experiment as shown in the diagram below.

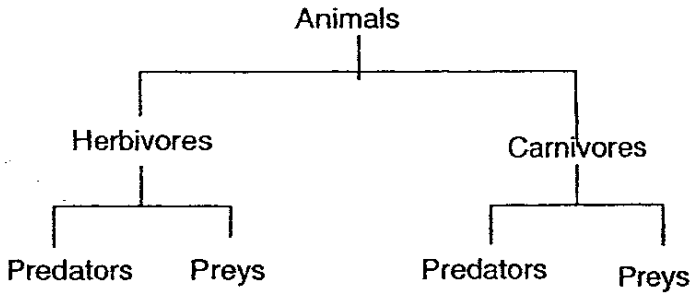


What do you think Yong Sheng was trying to find out?
He wanted to find out if_____.

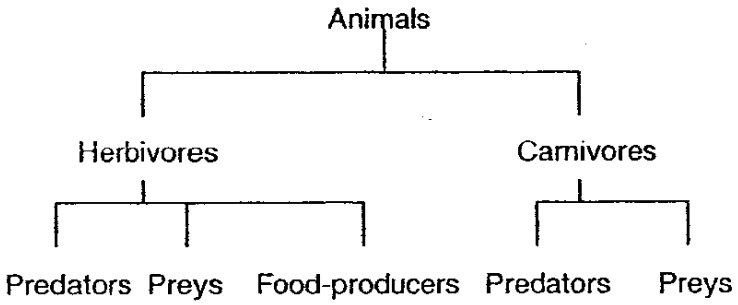
(1) the snails are food for the mudskipper
(2) the amount of water in the mud affects the survival of the mudskipper.
(3) the amount of light affects the survival of the mudskipper.
(4) the amount of air affects the survival of the mudskipper.

22. Which one of the classification charts below is correct?

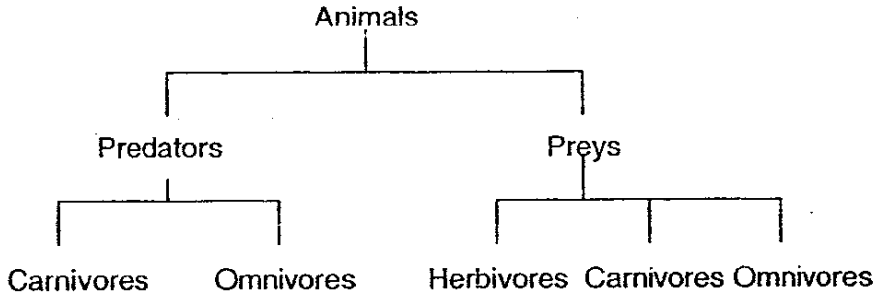
(1)



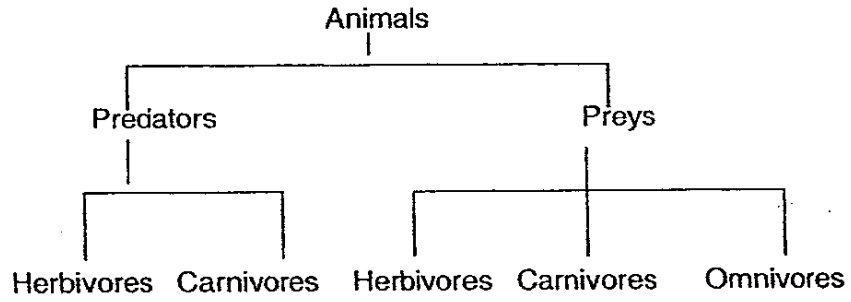
(2)



(3)



(4)



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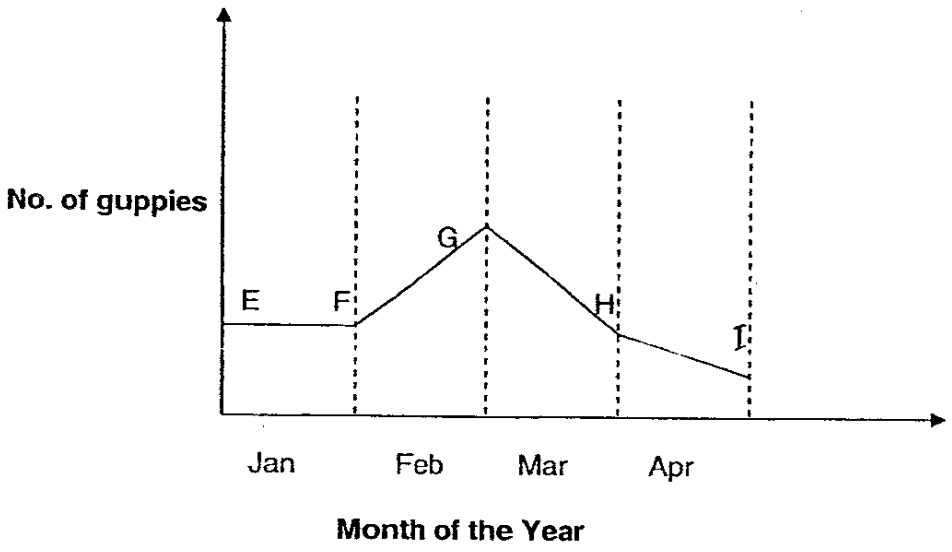
23 Li Ling kept a record of the number of deaths and births of the guppies in her aquarium from January to April as shown in the table below.

Month	Observation
January	No births and deaths.
February	No deaths but a few guppies were born.
March	Rate of death higher than rate of birth.
April	Rate of birth higher than rate of death.

Based on her observation, she drew a graph:



Which section of the graphs had been wrongly drawn?

(1) EF
(2) FG
(3) GH
(4) HI

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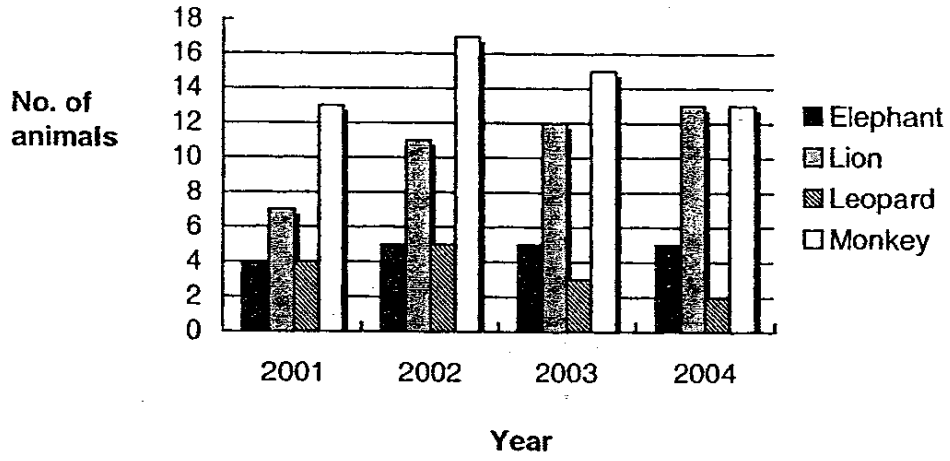
24. The bar graph below shows the number of some animals in a nature reserve from 2001 to 2004.



Which of the statements about the populations of these animals **<u>are not correct?</u>**

A: There are only 4 types of animals in the nature reserve.
B: The population size of all the animals increased from 2001 to 2004.
C: The population size of elephants remained constant from 2002 to 2004.
D: 3 populations of animals showed a decrease in number from 2002 to 2004.

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

25. In an experiment Jia Yen grew some chilli seeds in similar pots, P, Q, R and S. She recorded what she did in the table below.

Pot	Number of chilli seeds	Type of soil used	Presence of sunlight
P	15	Clayey	Yes
Q	25	Clayey	Yes
R	15	Garden	Yes
S	25	Garden	No

Which two pots should she use in order to find out how the type of soil affects the growth of chilli seeds?

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

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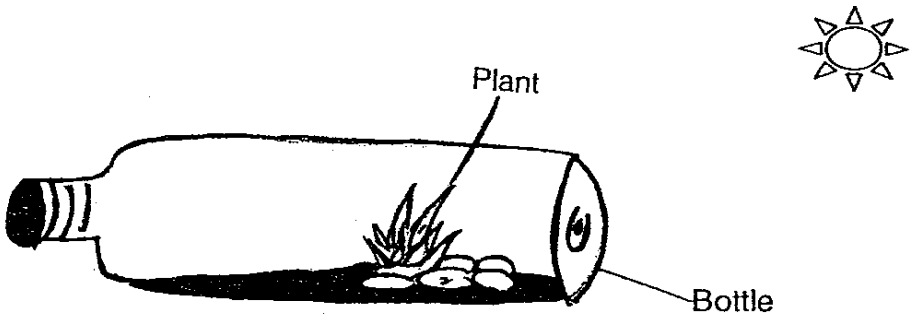
26. A plant was placed in a bottle as shown below. It was observed that the plant could survive in this enclosed environment.



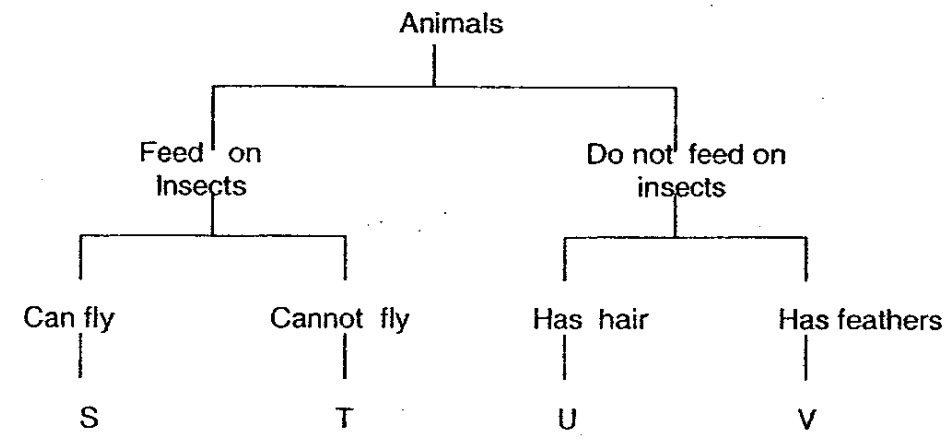
Which of the following reasons explain why the plant could survive?

A: There was sufficient air inside the bottle.
B: The garden soil provided food for the plant.
C: The plant could carry out photosynthesis.

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

27. Yuen Meng was walking in a park when he saw an animal fly past. The animal landed on the green patch near him.
When Yuen Meng looked closer, he noticed that the animal was feeding on a grasshopper and it had an outer-covering of hair.

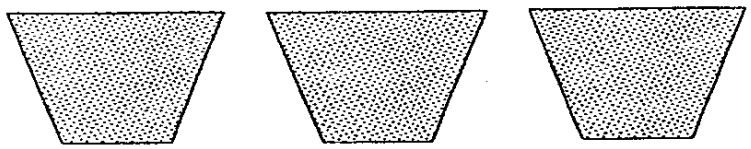
Based on his observation, which letter (S,T,U or V) in the classification chart below best represents the animal?



(1) S
(2) T
(3) U
(4) V

(Go on to the next page)

28. Halim wanted to find out if the type of soil an animal lives in affects how fast it reproduces.



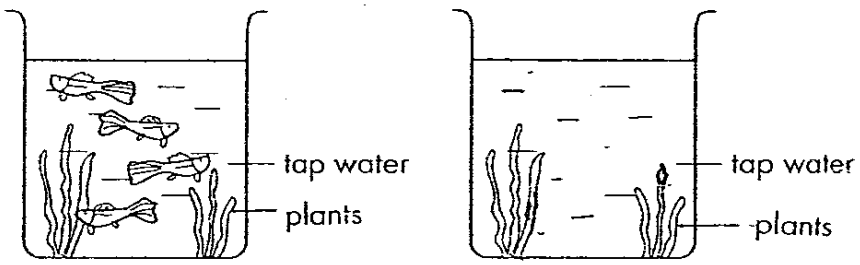
Garden soil Sandy soil Clayey soil

He put a few earthworms in three separate pots of soil as shown above.
Which of the variables should he keep the same?

A: Type of soil
B: Amount of soil
C: Place where the pots are put
D: Number of earthworms put in the soil

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

29. Jim set up two tanks, G and H, in the same place as shown in the diagram below and placed them next to each other.



Tank G Tank H

After two weeks, Jim found that the plant in tank G had grown taller than the plant in tank H.

Which of the following is/are possible reason(s) for his observations?

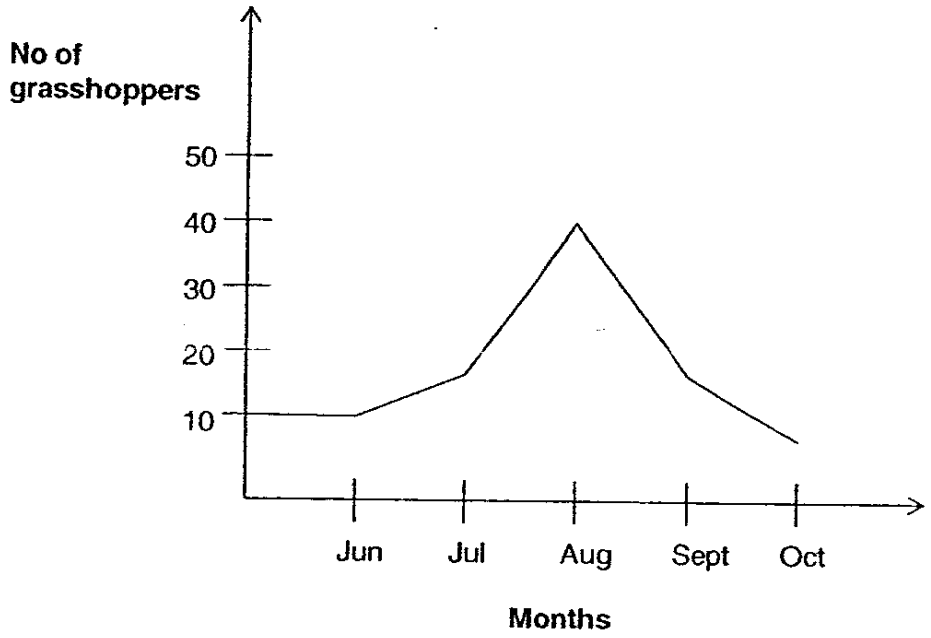
A: The plant in H received less sunlight.
B: The fish in tank G provided more carbon dioxide for the plant.
C: The waste of the fish in tank ~~H~~ G provided nutrients for the plant.

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

44

(Go on to the next page)

30. The graph below shows the changes in the population size of grasshoppers in a field over 5 months.



Based on the graph, which of the following statements are true?

A: The population of birds that feed on grasshoppers decreased after August.
B: More grass were grown in the field from September onwards.
C: More grasshoppers reproduced between June and August.
D: A disease that kills grasshoppers occurred from August to October.

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

END OF BOOKLET A

45

Rosyth School
First Semestral Assessment for 2006
SCIENCE
Primary 6 EM1/2

Name: _____ Total Marks: /40

Class: Pr 6____ Register No. _____ Duration: 1 h 45 mins

Date: 10 May 06 Parent's Signature: _____

Booklet B

Instructions to Pupils:

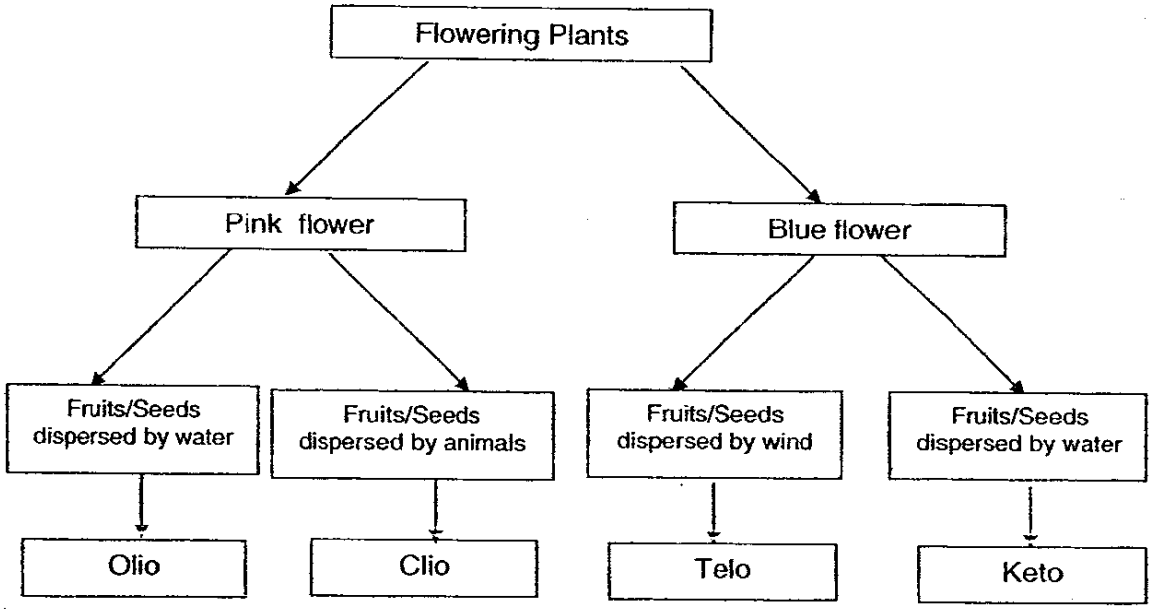
1. For questions 31 to 46, give your answers in the spaces given in this Booklet B.

* This booklet consists of **17** pages .

PART II (40 MARKS)

For questions 31 to 46, write your answers in this booklet.

31. Olio, Clio, Telo and Keto are flowering plants found on a mystery island. They are classified as shown in the chart below. Study the chart to answer the questions.



(a) How are Olio and Keto similar? (1 mark)

_____

_____

(b) Tom found a plant Bito, which had blue flowers and its seeds were small with wing-like structures. Which plant should he classify Bito with? (1 mark)

_____

_____

(Go on to the next page)

47

32. The table below shows the melting points of some metals.

Metal	Melting Point (°C)
Aluminium	2450
Gold	2850
Iron	2550
Copper	2550
Tin	2450
Silver	2350

(a) From the table, determine the metal that has the highest melting point and the metal that has the lowest melting point. (1 mark)

Highest melting point: _____

Lowest melting point: _____

(b) A factory wants to use either iron or aluminium to make cans. Which material (iron or aluminium) should the factory use? Explain your answer. (2 marks)

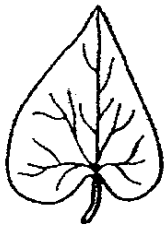
_____

_____

_____

(Go on to the next page)

33. Study the two leaf samples shown below.



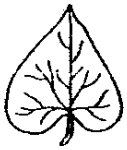
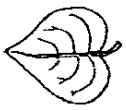
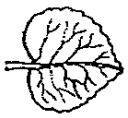
~~Leave~~ X

leaf

~~Leave~~ Y

Leaf

(a) Gina and Mei Huang were told to group the leaves X and Y based on the similarities they shared with some other leaves (1, 2, 3 and 4). Gina grouped the leaves as shown below.

GROUP K	GROUP L
 leaf X	 leaf Y
 leaf 1  leaf 2  leaf 4	 leaf 3

(i) Describe how did Gina grouped the ~~leaves~~ together? (1 mark)

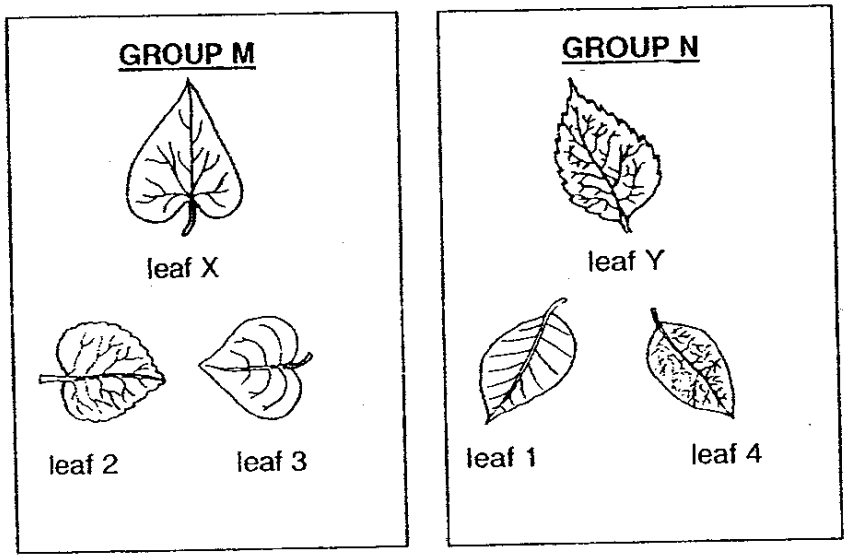
_____

_____

(Question 33 continues on next page)

#9

Mei Huang, however, grouped the leaves as shown below:

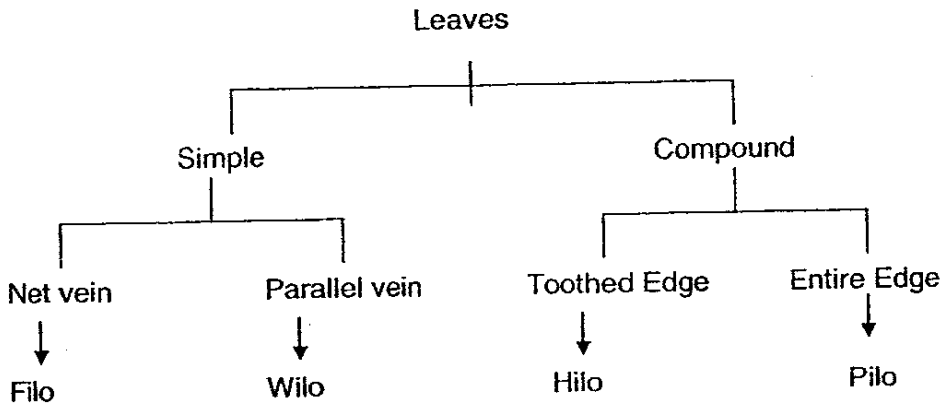


(ii) Describe how Mei Huang grouped the leaves together? (1 mark)

_____

_____

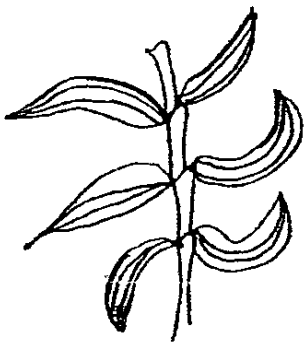
(b) Gina was given another three leaves which she had to identify with the help of the classification chart shown below. But she was not able to do so.



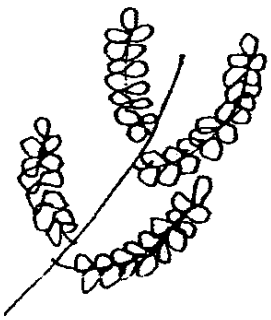
(Question 33 continues on next page)

50

Observe the three leaves carefully and help identify them as Filo, Wilo, Hilo or Pilo.
(2 marks)



(i)_____

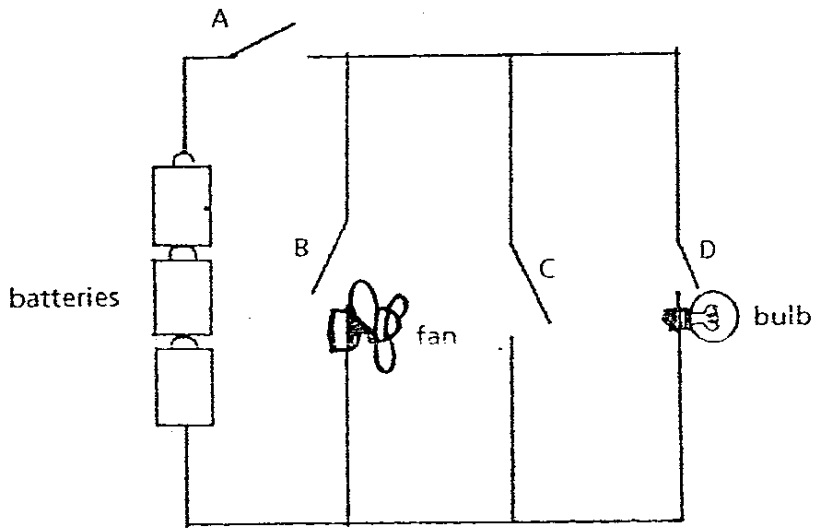


(ii)_____

(iii)_____

51.

34. Study the circuit diagram shown below. There are four switches marked A, B, C and D.



Which of the switches must be closed for the following energy conversions to take place?

(2 marks)

(a) Chemical energy ⟶ electrical energy ⟶ light energy + heat energy

_____

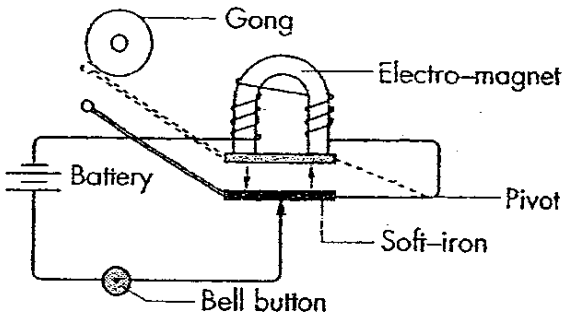
(b) Chemical energy ⟶ electrical energy ⟶ kinetic energy + heat energy

_____

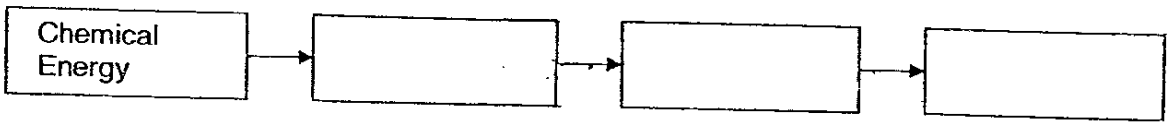
(Go on to the next page)

52

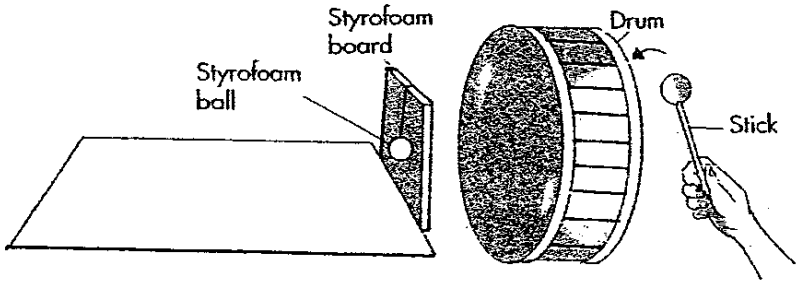
35. Study the circuit shown below closely.



(a) Pressing the bell button closes the electrical circuit, and as a result, energy conversion takes place. Complete the diagram below to show the energy conversion that has taken place. (1 mark)



(b) Zhi Qiang set up an experiment as shown below.



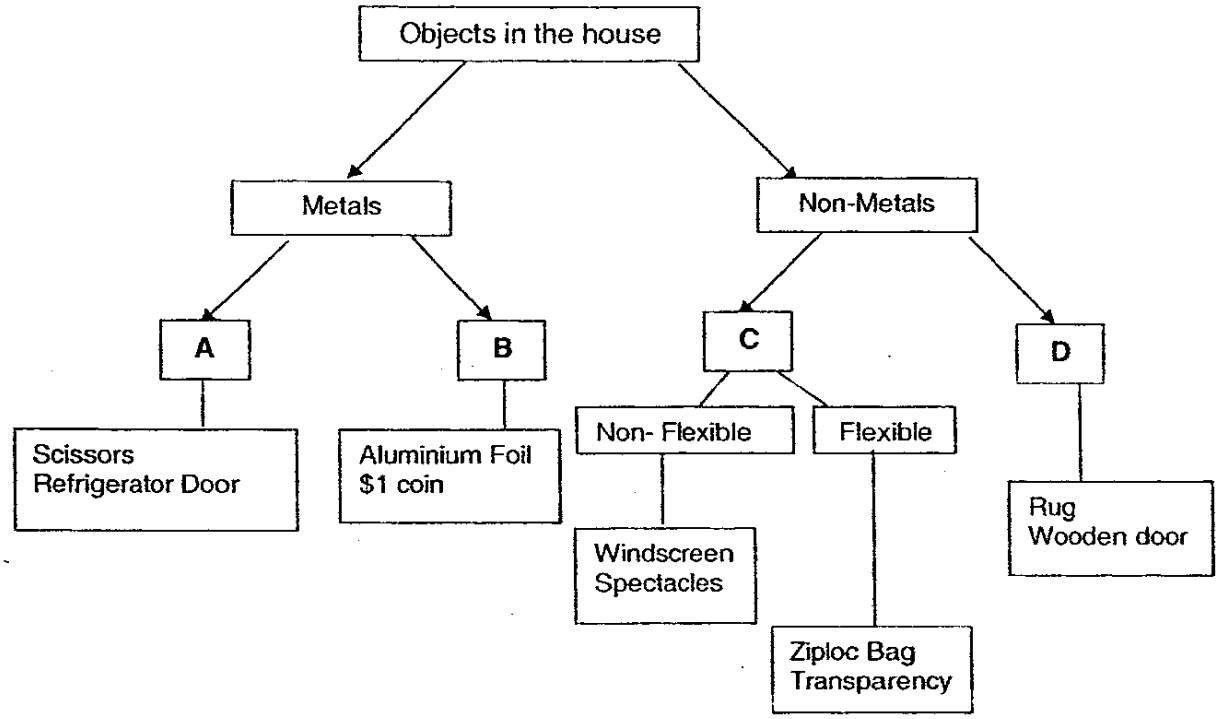
As he hit the drum with a stick, he noticed that the styrofoam ball moved. State the energy conversion by filling in the blanks below with the suitable words. (2 marks)

_____ energy in the hand is converted to _____ energy of the drum. This is converted to _____ energy of the air which is finally converted to _____ energy of the styrofoam ball.

(Go on to the next page)

53

36. Look at the classification chart below. (2 marks)



Identify the headings **A**, **B**, **C** and **D**.

A: _____

B: _____

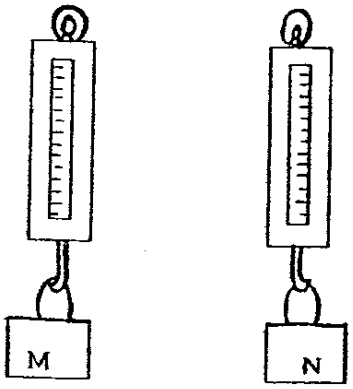
C: _____

D: _____

(Go on to the next page)

54

37. Carol used a spring balance to weigh objects M and N as shown below. Objects M and N were both of the same shape and size.



a) (i) Identify the type of force that the spring in the spring balance possessed. (½ mark)

_____

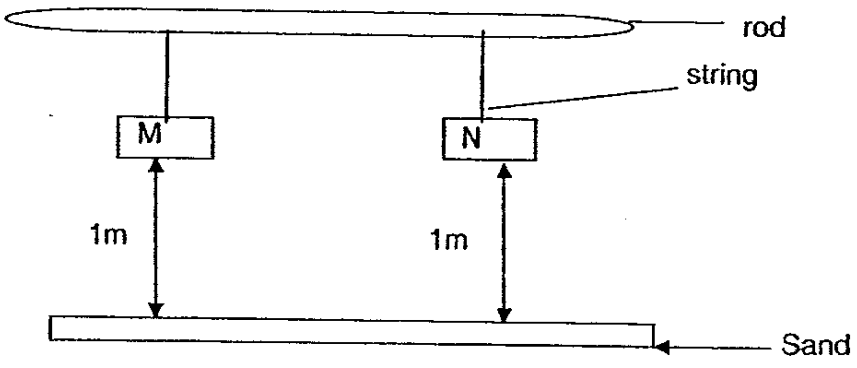
(ii) Identity the force that was acting on both objects M and N. (½ mark)

_____

b) Carol observed that object M weighed more than object N. What could be one possible reason? (1mark)

_____

c) Carol hung both objects M and N at a height of 1m on a rod.



When both objects were released at the same time, Carol noticed that object M made a greater dent in the sand than object N.
Explain why object M made a greater dent in the sand than object N. (2 marks)

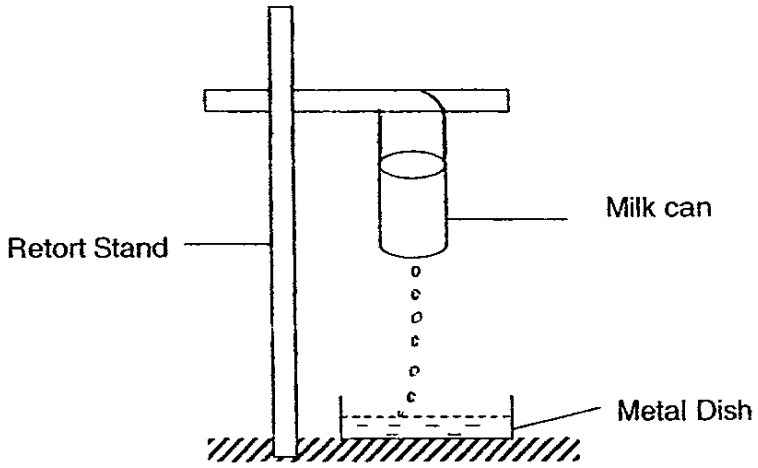
_____

_____

(Go on to the next page)

55

38. A milk can completely filled with water was hung above a metal dish. A hole was pierced at the bottom of the milk can to allow water to drip. Each time a drop of water touched the metal dish, a sound was produced.



a) What could be done if we wanted to increase the loudness of the sound made when the water touched the metal dish? (1 mark)

b) _____

Explain how your action in (a) helped to make the sound louder. (1 mark)

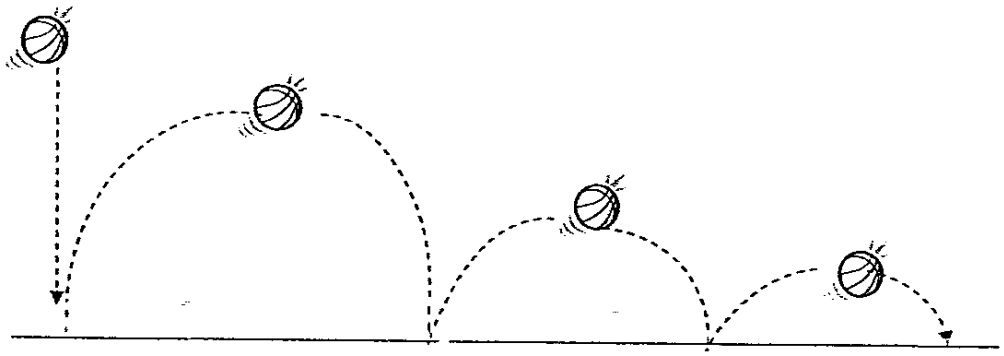
_____

_____

(Go on to the next page)

56

39. Kalim dropped a basketball from a height of 1 metre above the ground. It bounced to a lower height each time it hit the ground as shown below until it finally stopped.



a) Identify the force that was acting continuously on the ball. (1 mark)

_____

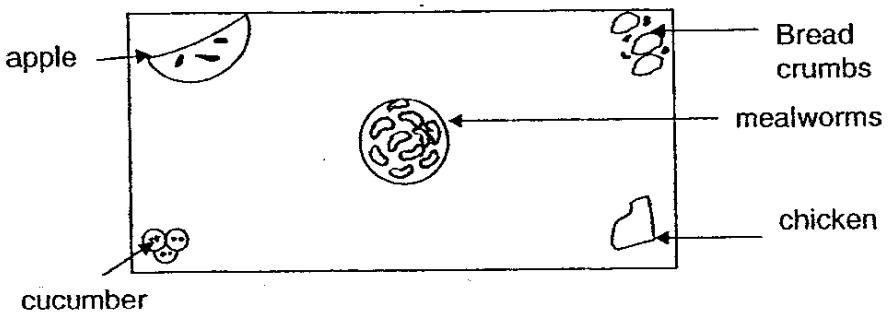
b) Apart from the sound produced, what two other differences would be observed if Kalim used a similar-sized hollow rubber ball instead?
(1 mark)

_____

_____

(Go on to the next page)

40. An experiment was carried out with 10 meal worms. The mealworms were placed in the centre of a tray as shown in the diagram.
A different type of food was placed at each corner of the tray.



After 15 minutes, the number of mealworms at each corner was counted.
The results were recorded in the table below.

Type of food	No. of mealworm
Apple	3
Bread Crumbs	~~15~~ 5
Cucumber	2
Chicken	0

a) What was the aim of the experiment? (1 mark)

_____

b) Why was there a need to place the mealworms in the centre of the tray at the start of the experiment? (1 mark)

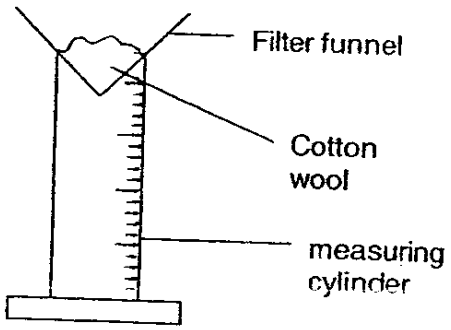
_____

_____

(Go on to the next page)

58

41. You are given an equal amount of three different types of soil E, F and G. You want to carry out an experiment to find out which type of soil is best for growing flowering plants.



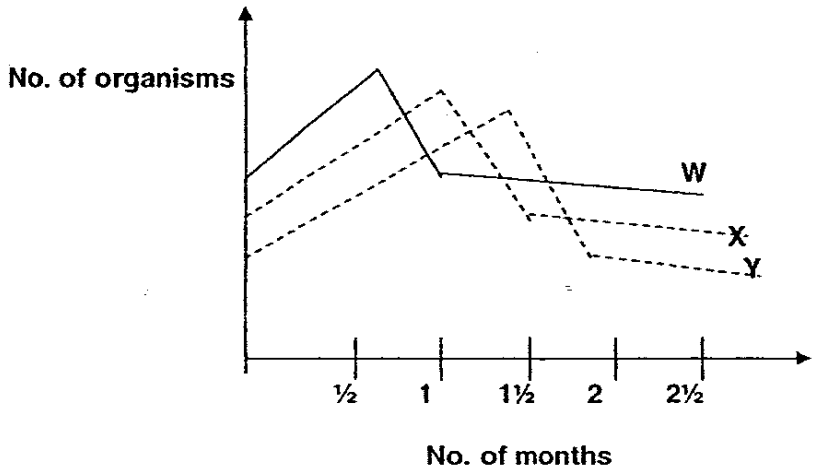
Using only the three types of soil, water and three identical set-ups (as shown above), describe how you would carry out the experiment.

Step 1 has been done for you.

(2 marks)

Step 1: Put soil E into the filter funnel of one set-up.

42. Zheng Hua studied 3 aquatic organisms W, X and Y which she found in a small pond near a farm.
He counted the number of each of the organisms and plotted the graph shown below.



a) Based on the graph, describe the change in the population size of organism X. (1 mark)

_____

_____

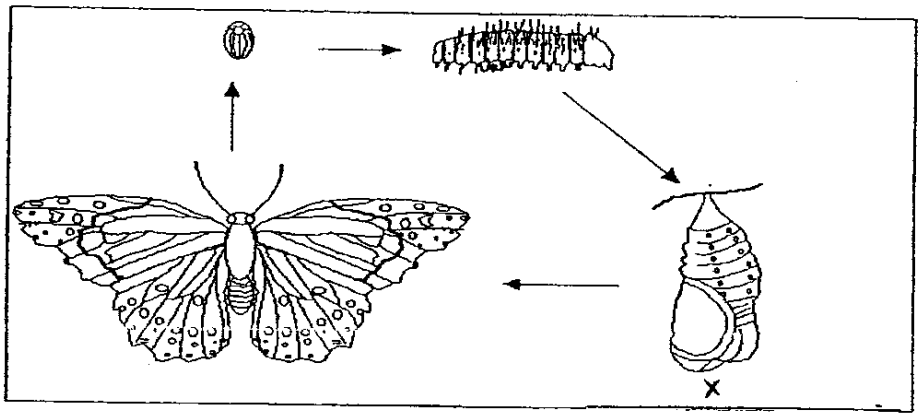
b) Zheng Hua found out that the sudden drop in the number of organism Y was due to some activities carried out by the farmer.
What was one possible activity that resulted in the sudden drop in the number of organism Y? (1 mark)

_____

_____

(Go on to the next page) 10

43. Shu En observed many butterflies hovering near the flowers in her garden. She decided to look up on the life cycle of the butterflies and found a diagram showing the life cycle of the butterflies that looked similar to the one below.



(a) From the diagram above, what is "X" known as ?

(1 mark)

_____

(b) What role do the butterflies play in the garden community?

(1 mark)

_____

(c) Shu En observed that the number of caterpillars in her garden decreased after sometime even though nobody had disturbed the plants and organisms. What are two possible reasons, other than the use of pesticides, for the decrease in the number of caterpillars?

(1 mark)

Reason 1 :_____

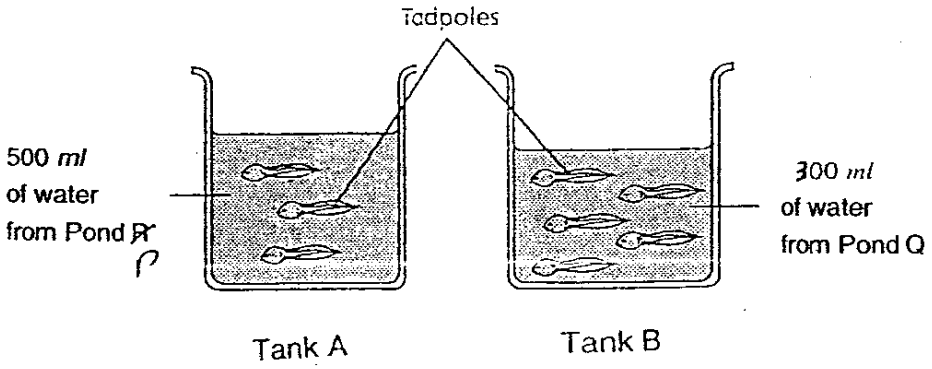
_____

Reason 2 : _____

_____

(Go on to the next page)

44. Ailing obtained two samples of pond water from two different ponds, P and Q. She wanted to find out which pond water would be suitable for tadpoles. She poured the water into two tanks, A and B as shown below. Then she put some tadpoles into the tank.



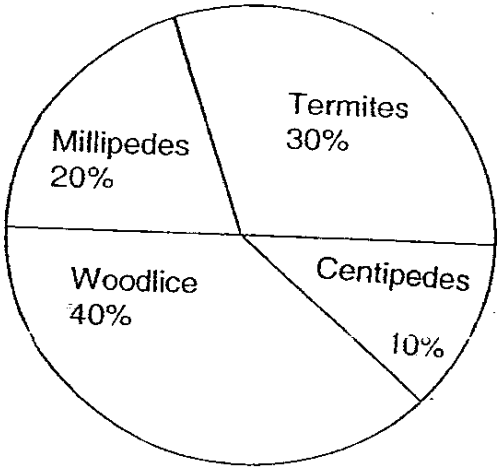
What two things must Ailing do to make her experiment a fair one?
(2 marks)

(i) _____

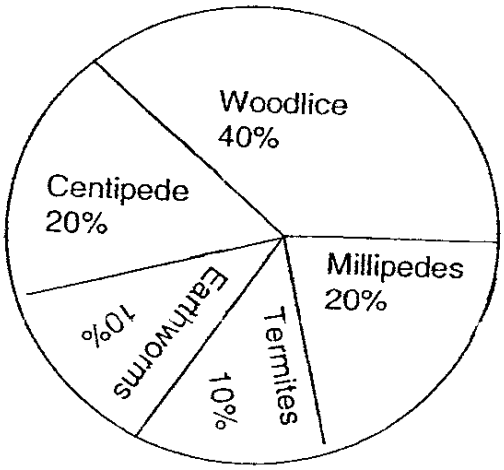
(ii) _____

(Go on to the next page)

45. Study the diagrams below.
The two pie charts show the number of animals in percentages in two different communities, a leaf litter and a rotting log.



Leaf litter community



Rotting log community

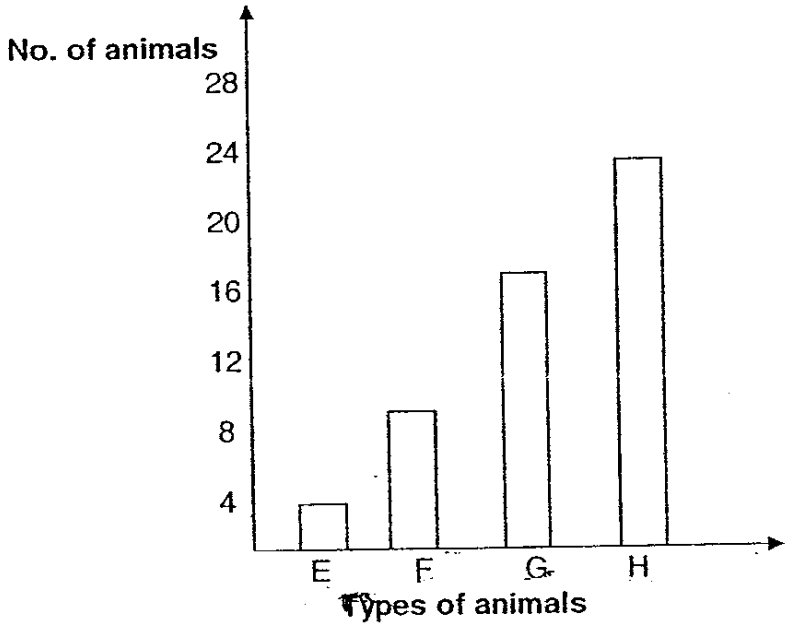
Read the statements in the following table carefully and decide whether they are "true", "false" or "not possible to tell". Put a tick (√) in the correct column against each statement. (2 marks)

	Statements	True	False	Not possible to tell
a)	In the rotting log community, there are more woodlice than the combined total of other organisms.			
b)	The conditions in the leaf litter community are more favourable for the termites than the rotting log community.			
c)	The number of woodlice is the same in both communities.			
d)	The rotting log community has more types of animals than the leaf litter community.			

(Go on to the next page)

63

46. Caren made a record of the animal population in a rotting log community as shown in the graph below.



Caren also took note of some other information in her Science journal:

- There were more woodlice than termites
- The millipedes formed the largest population
- The population size of the centipede was the smallest

a) Based on the information, identify the animal that controls the population of other animals. (1 mark)

_____

b) Using the information provided, identify the animals that are represented by the letters E, F, G and H. (2 marks)

E: _____

F: _____

G: _____

H: _____

End of Booklet B

64

Rosyth Primary School

Primary 6 Science SA1 Exams (2006)

(ANSWER KEY)

SECTION A : (60 MARKS)

Qn no.	Ans
1	4
2	4
3	2
4	3
5	4
6	3
7	4
8	4
9	1
10	3

Qn no.	Ans
11	3
12	3
13	2
14	2
15	3
16	3
17	2
18	4
19	3
20	4

Qn no.	Ans
21	2
22	3
23	4
24	2
25	3
26	2
27	1
28	4
29	3
30	2

SECTION B (40 MARKS)

Qn No.	Answers
31a	Their fruits sees are dispersed by water, and they are flowering plants.
31b	He should classify Bito with Telo.

32a	Gold Silver
32b	It requires less energy/heat so the cost of production is cheaper/lower.

33a (i)	Leaves in group K have smooth while that group L has toothed edge.
(ii)	Group M was grouped under heart-shaped while Group N leaves were grouped under oval shaped.
33b (i)	Wilo
(ii)	Pilo
(iii)	Filo

34a	A and D
34b	A and B

Qn No.	Answers
35a	Electrical energy → kinetic energy → sound energy
35b	Potential, sound, kinetic, kinetic.

36	A : Magnetic	B : Non-magnetic
	C : Transparent	D : Opaque

37a (i)	Elastic spring force
(ii)	Gravitational force
37b	It is made up of a material that has a greater mass.
37c	The greater the mass of an object the greater the gravitational potential energy. As more gravitational potential force was converted to kinetic energy the impact is greater on than N.

38a	Make the hole bigger.
38b	When the hole is bigger the drop of water will be bigger with more gravitational potential energy thus causing a louder sound.

39a	Gravitational force
39b	It would take a longer time to stop and it would be higher than the basketball when bounced on the floor each time in the ground.

40a	It was to find out what food the mealworm preferred.
40b	The mealworms would travel equal distance to all the food sources.

41	Step 1 : Put soil E into the filter funnel of one set-up.
	Step 2 : Put soil F into the filter funnel of another set-up.
	Step 3 : Put soil G into the filter funnel of another set-up.
	Step 4 : Fixed amount of the filter funnel.
	Step 5 : Measure the water of all the set-up at the same time.
	Step 6 : Check which one has the least amount of water in the set-up.
	Step 7 : The one with the least is the best type of soil for growing flowering plants.

42a	Increased for the month, decreased / dropped for the next half month.
42b	The pesticide used by the farmer might have dreaded into the pond to kill the organism.

Qn No.	Answers
43a	Pupa
43b	They pollinate the flowers.
43c (i)	They were eaten by more birds.
(ii)	They turned into the butterflies.

44a (i)	She must add another 200ml of water from Q.
(ii)	She must add another two tadpoles to A.

45a	False
45b	Not possible to tell
45c	Not possible to tell
45d	True

46a	Centipede
	E : centipede
	F : termites
	G : woodlice
	H : millipedes