

Test: Primary 4 Science (Term 4) - Nanyang 2020

Points: 75 points

Name: _____

Score: _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

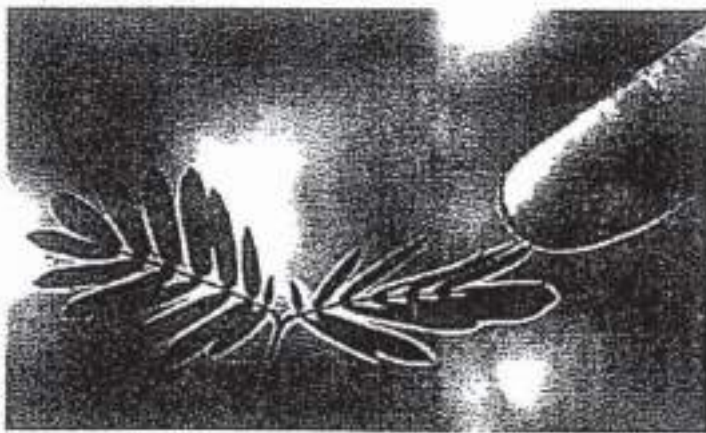
- Only select one answer
- Can select multiple answers

Question 1 of 63

Primary 4 Science (Term 4) 2 pts

For each question, four options are given. One of them is the correct answer. (28 x 2 marks)

A plant closes its leaves when touched.



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

- A) grow
- B) respond
- C) breathe
- D) reproduce

Question 2 of 63

Primary 4 Science (Term 4) 2 pts

Which one of the following statements is true for ALL mammals?

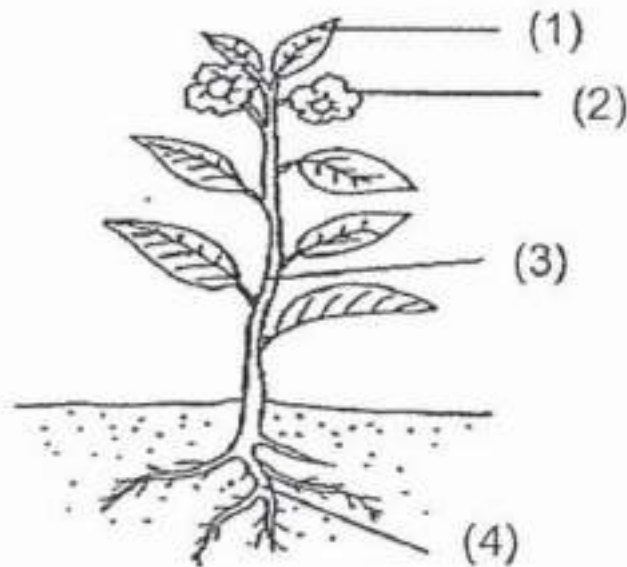
- A) They have tails.
- B) They live on land.
- C) They have wings.
- D) They have hair as outer covering.

Question 3 of 63

Primary 4 Science (Term 4) 2 pts

The diagram shows a plant.

Which part, (1), (2), (3) or (4), obtains water for the plant?



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

Question 4 of 63

Primary 4 Science (Term 4) 2 pts

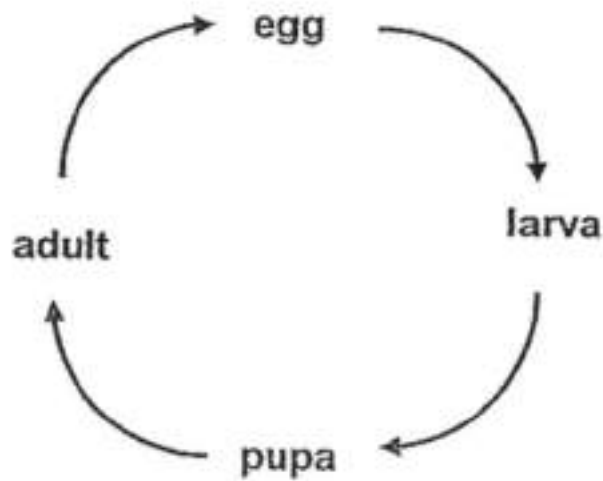
Which one of the following shows the correct order when food moves through some parts of the digestive system?

- A) large intestine --> stomach --> small intestine
- B) small intestine --> large intestine --> stomach
- C) stomach --> small intestine --> large intestine
- D) stomach --> large intestine --> small intestine

Question 5 of 63

Primary 4 Science (Term 4) 2 pts

The diagram below shows the life cycle of an animal.



Which animal is likely to have the life cycle as shown above?

- A) cat
- B) chicken
- C) butterfly
- D) cockroach

Question 6 of 63

Primary 4 Science (Term 4) 2 pts

Which one of the following can be attracted by a magnet?

- A) iron ball
- B) paper ball
- C) plastic ball
- D) wooden ball

Question 7 of 63

Primary 4 Science (Term 4)

2 pts

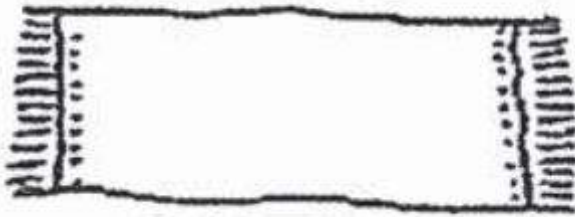
Which one of the following objects can be bent easily without breaking?

 A)

metal ruler

 B)

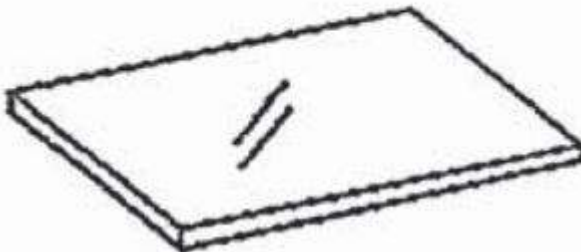
carpet

 C)

metal spoon

 D)

glass window



Question 8 of 63

Primary 4 Science (Term 4)

2 pts

Which one of the following is a source of light?

A)



an apple

B)



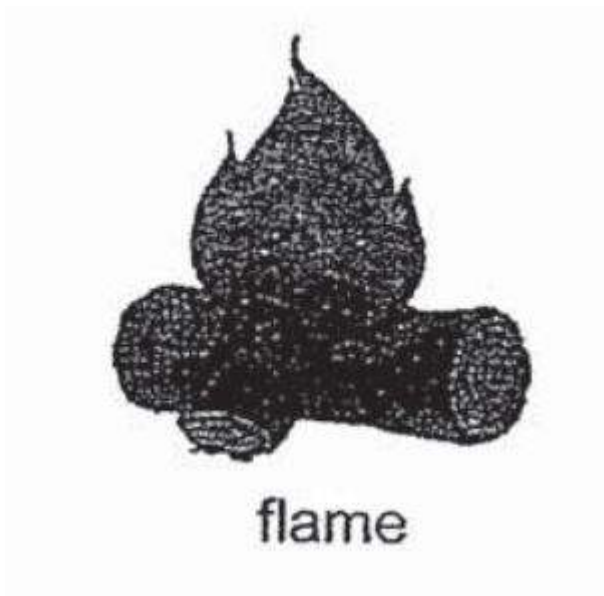
a leaf

C)



the moon

D)

**Question 9 of 63**

Primary 4 Science (Term 4) 2 pts

Which one of the following is NOT a source of heat?

-
- A) The Sun
 - B) A sweater
 - C) A lighted bulb
 - D) A candle flame

Question 10 of 63

Primary 4 Science (Term 4) 2 pts

Which one of the following substances has a definite shape?

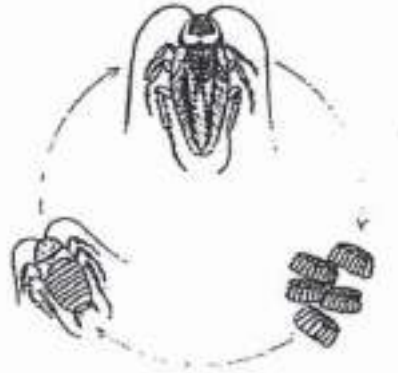
-
- A) oil
 - B) door
 - C) water
 - D) oxygen

Question 11 of 63

Primary 4 Science (Term 4)

2 pts

The diagram below shows the life cycle of animal X.



Which of the following characteristics of living things are shown in the life cycle of animal X in the diagram above?

- A Living things can grow.
- B Living things can reproduce.
- C Living things need air, food and water.
- D Living things respond to changes in the surroundings.

-
- A) A and B only
 - B) A and D only
 - C) B and C only
 - D) C and D only

Question 12 of 63

Primary 4 Science (Term 4)

2 pts

Anu saw two plants, G and H, in the school garden.



Which of the following statements about the two plants is/are correct?

- A Both plants have flowers.
- B Only plant G can make food.
- C Leaves of both plants can make food using sunlight.

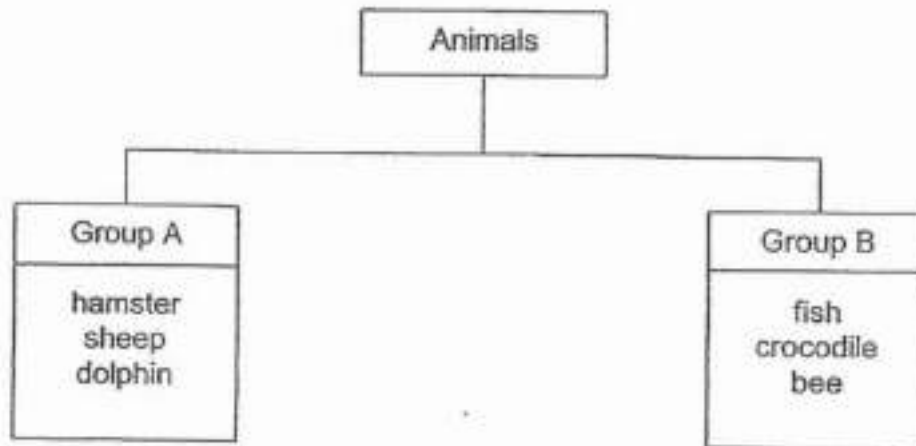
-
- A) A only
 - B) C only
 - C) A and B only
 - D) A and C only

Question 13 of 63

Primary 4 Science (Term 4)

2 pts

Study the classification chart below.



Which one of the following shows how the above animals have been grouped?

- A)

Group A	Group B
Breathe through gills	Breathe through lungs
- B)

Group A	Group B
Body covering of hair	Body covering of scales
- C)

Group A	Group B
Give birth to young alive	Lay eggs
- D)

Group A	Group B
Live on land	Live in water

Question 14 of 63

Primary 4 Science (Term 4)

2 pts

Which of the following are common characteristics of fern and fungi?

- A They do not bear flowers.
 B They make their own food.
 C They reproduce by spores.
 D They get food from living things they grow on.

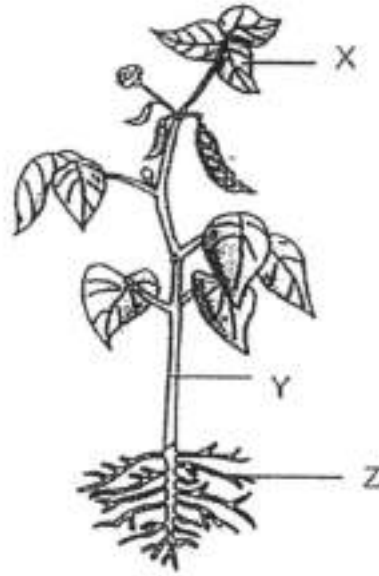
- A) A and B only
 B) A and C only
 C) B and D only
 D) C and D only

Question 15 of 63

Primary 4 Science (Term 4)

2 pts

The diagram below shows parts, X, Y and Z, of a plant.



Which one of the following shows the correct functions of plant parts, X, Y and Z?

- A)

X	Y	Z
Support the plant upright	Allow air to go in and out	Absorb water and mineral salts
- B)

X	Y	Z
Allow air to go in and out	Holds up the leaves	Anchor plant firmly to ground
- C)

X	Y	Z
Allow air to go in and out	Bear flowers	Get air for plant
- D)

X	Y	Z
Make food for plant	Get sunlight for plant	Keep the plant upright

Question 16 of 63

Primary 4 Science (Term 4)

2 pts

Which one of the following shows the **incorrect** function of the human systems?

A)

System	Functions
Skeletal System	Protect organs in the body.

B)

System	Functions
Muscular System	Work together with skeletal system to bring about movement.

C)

System	Functions
Circulatory System	Removes undigested food from the body.

D)

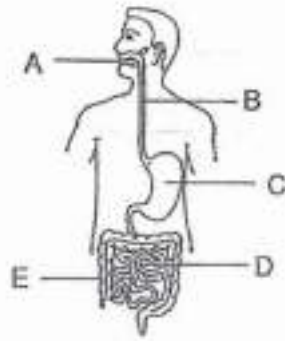
System	Functions
Respiratory System	Takes in and removes air from the body.

Question 17 of 63

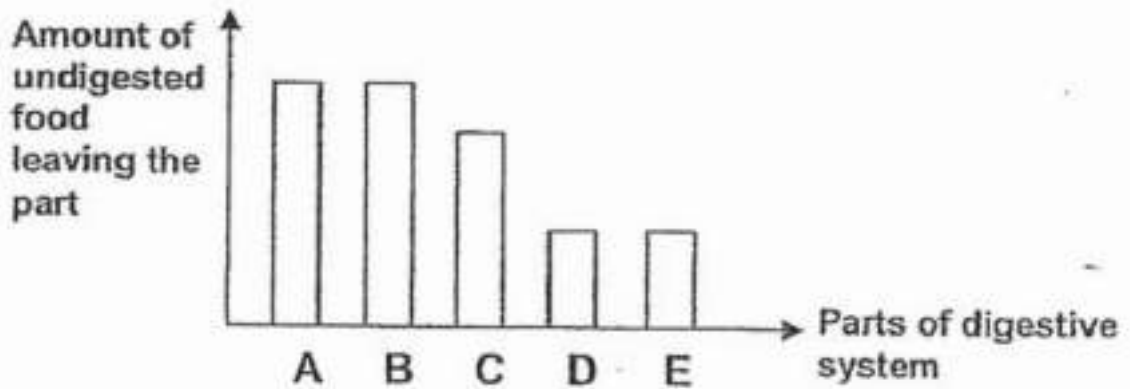
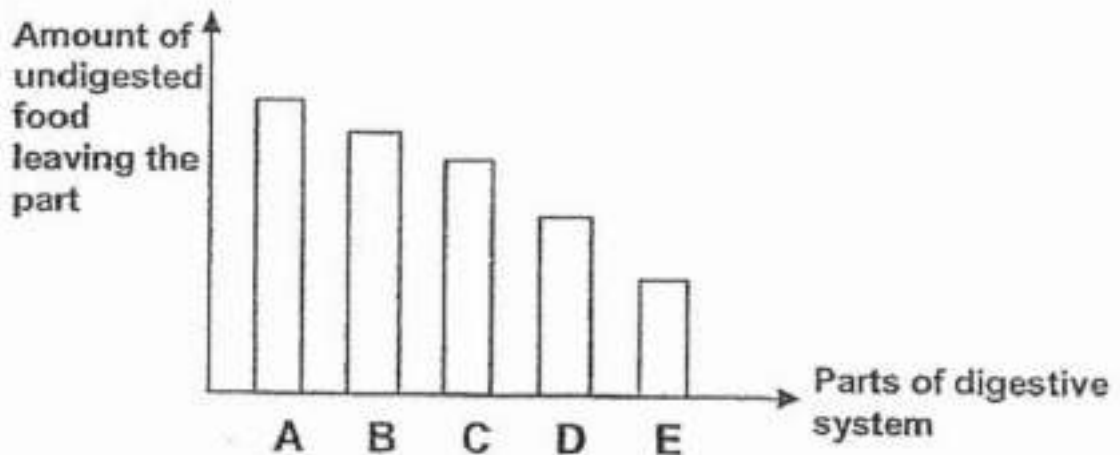
Primary 4 Science (Term 4)

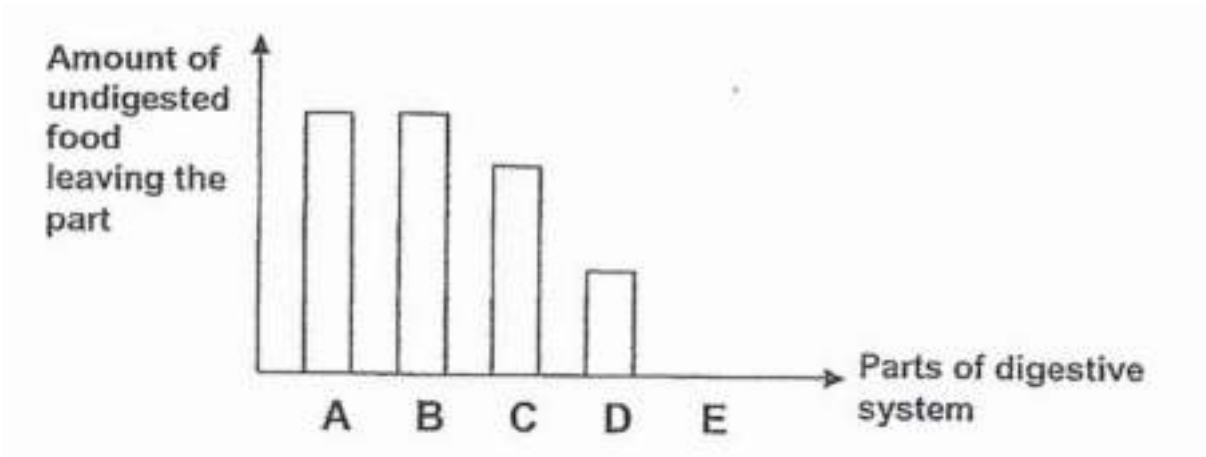
2 pts

The diagram below represents the digestive system.

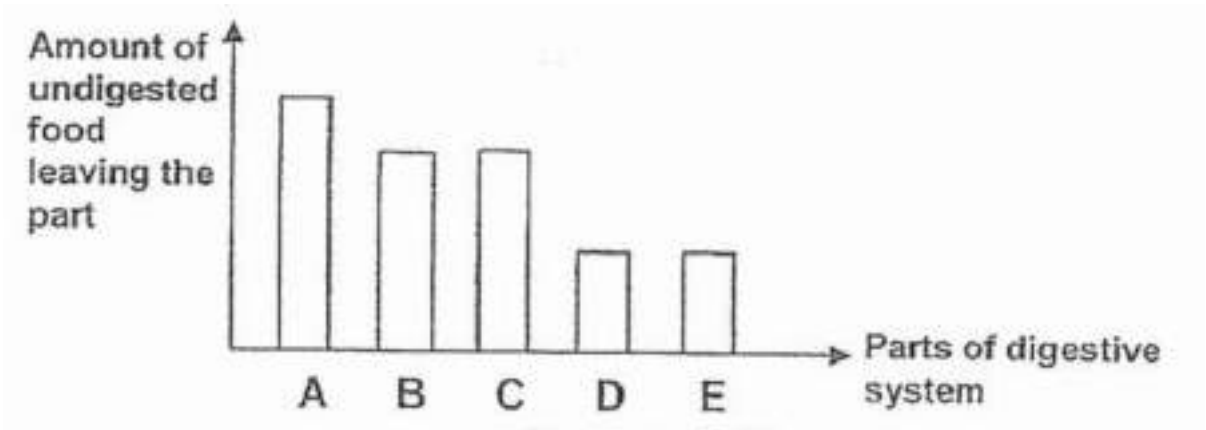


Which one of the following graphs shows the correct amount of undigested food leaving each part of the digestive system?

 A)

 B)

 C)



D)



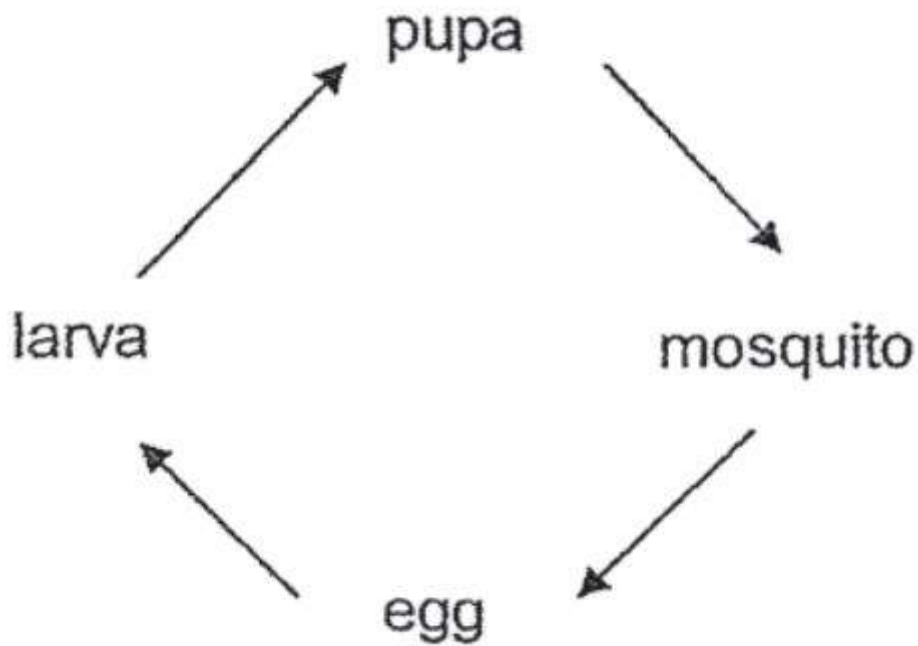
Question 18 of 63

Primary 4 Science (Term 4)

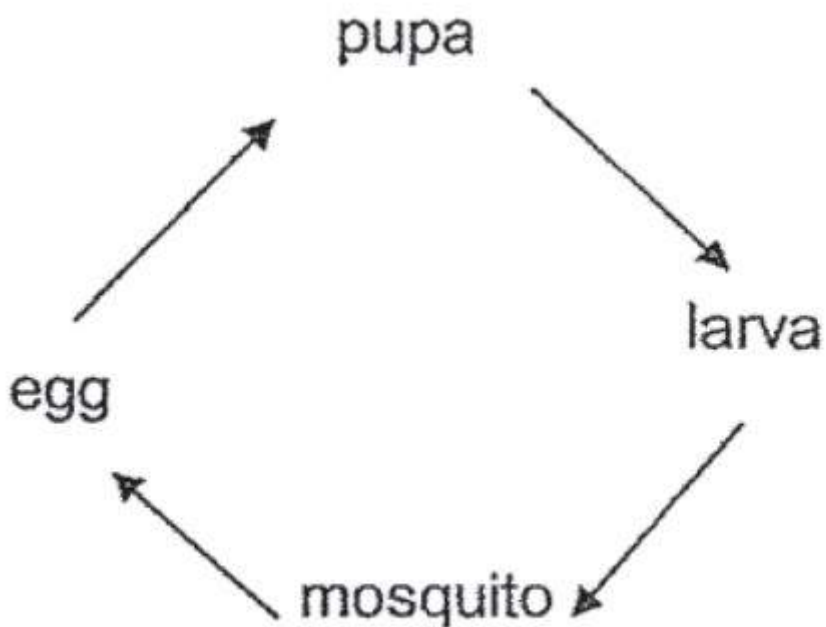
2 pts

Which of the following correctly represents the life cycle of a mosquito?

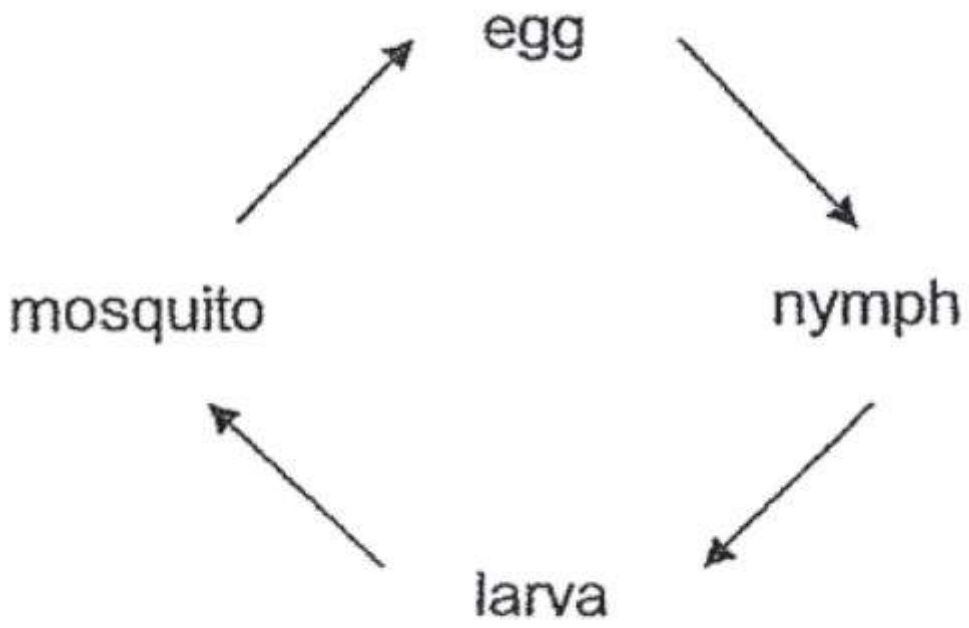
A)



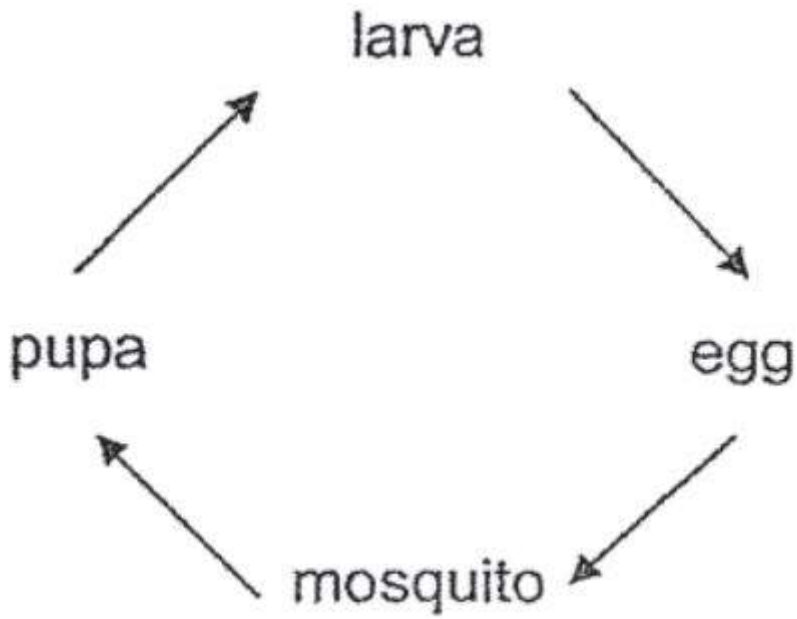
B)



C)



D)



Question 19 of 63

Primary 4 Science (Term 4) 2 pts

The table below shows the number of days animal Z spends at each stage of its life cycle.

Stage	Number of days
Eggs	5
Adult	30
Pupa	10
Larva	15

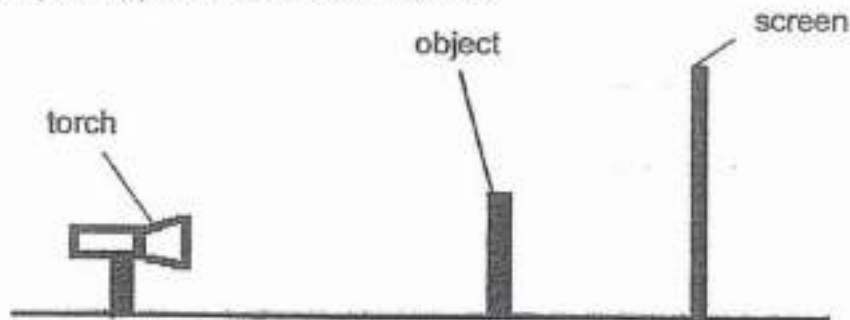
How many days does it take for animal Z to first turn into an adult after the eggs were hatched?

- A) 25
- B) 30
- C) 55
- D) 60

Question 20 of 63

Primary 4 Science (Term 4) 2 pts

Sarah set up an experiment as shown below.



Which of the following changes should she make in order to observe a larger shadow on the screen?

- A Move the torch nearer to the object.
- B Move the screen away from the object.
- C Move the torch further away from the object.
- D Move both the object and screen away from the torch by 5 cm.

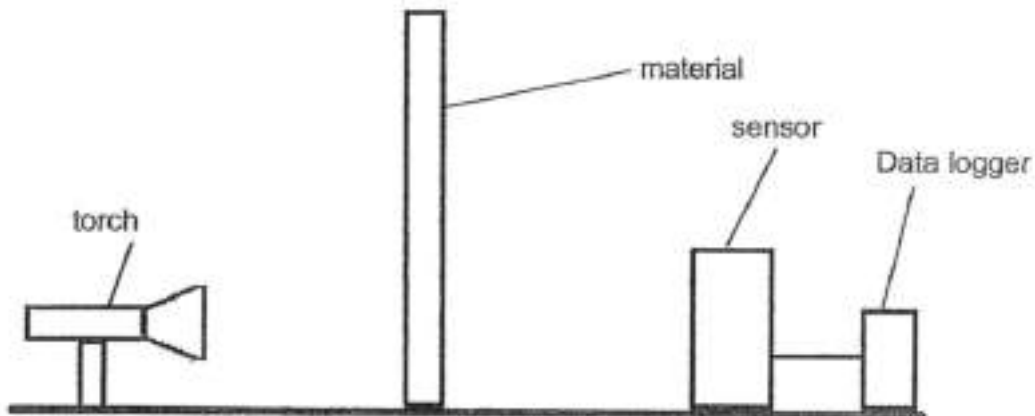
- A) A only
- B) A and B only
- C) C and D only
- D) B, C and D only

Question 21 of 63

Primary 4 Science (Term 4)

2 pts

Jackson set up an experiment as shown below. The torch was switched on and the sensor recorded the amount of light that passed through the material.



He repeated the experiment using different materials and the results of his experiment are shown in the table below.

Material	Amount of light detected by sensor (units)
A	750
B	600
C	920
D	230

Which material should Jackson use for his room curtains if he wanted to sleep in a darker room during the day?

- A) A
- B) B
- C) C
- D) D

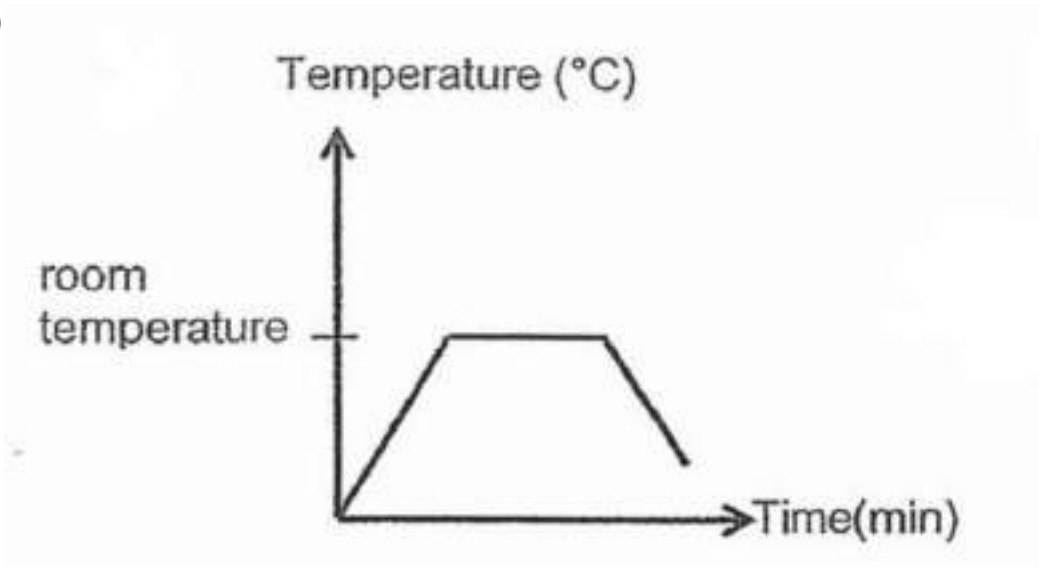
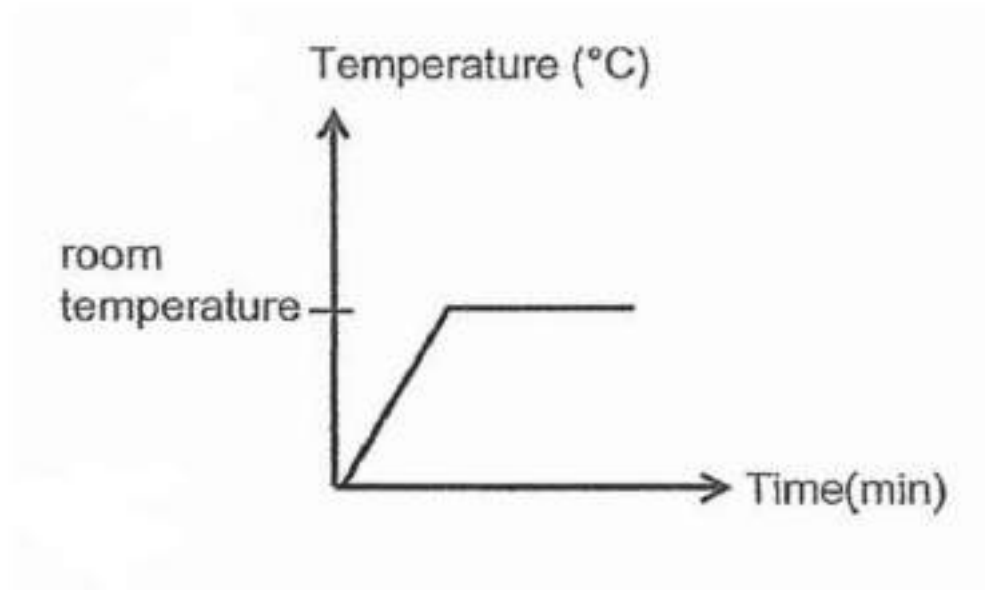
Question 22 of 63

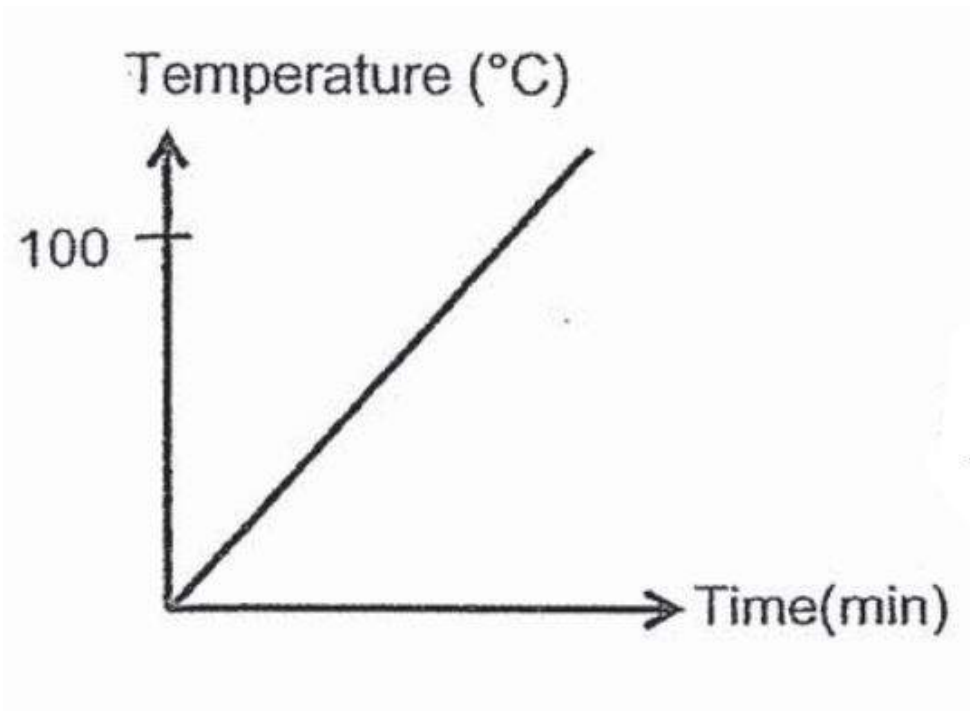
Primary 4 Science (Term 4)

2 pts

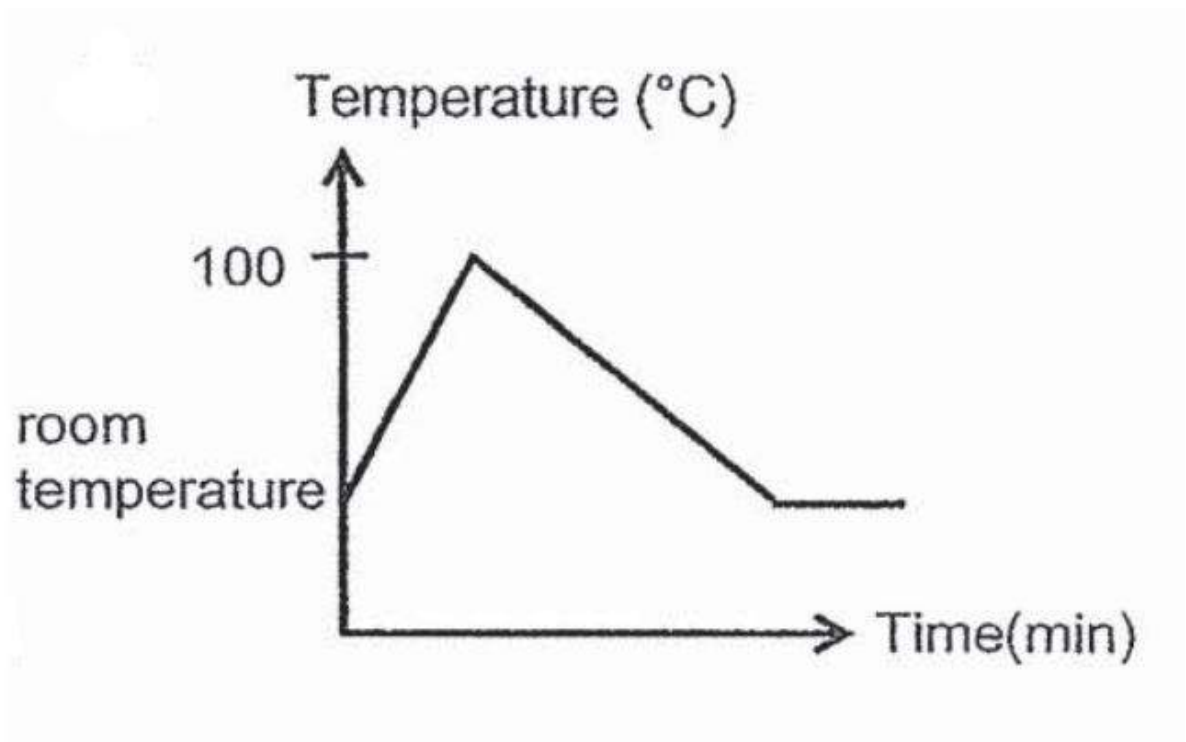
Jason heated a beaker of water until it reached 100°C. The beaker of water was then immediately left on a table to cool to room temperature.

Which one of the following graphs correctly shows the changes in the temperature of the substances in the beaker?

 A) B) C)



D)



Question 23 of 63

Primary 4 Science (Term 4)

2 pts

May was unable to separate two bowls that were stuck to each other.



Which of the following actions should May take to separate the two bowls?

- A Pour hot water into bowl A.
- B Add some ice cubes into bowl A.
- C Wrap a towel that is soaked in ice water around bowl B.
- D Wrap a towel that is soaked in hot water around bowl B.

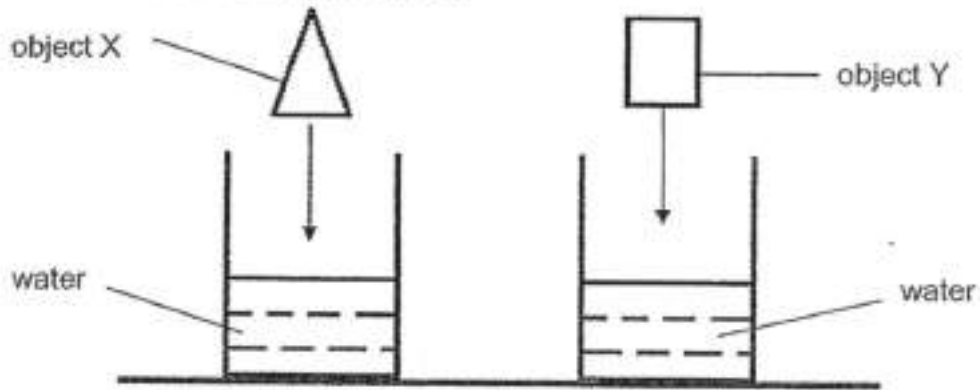
-
- A) A and C only
 - B) A and D only
 - C) B and C only
 - D) B and D only

Question 24 of 63

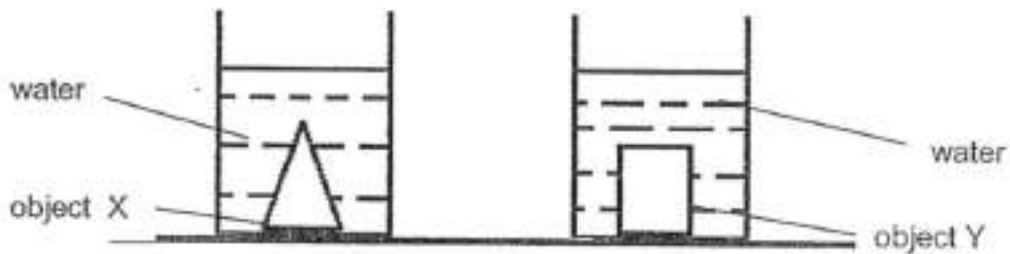
Primary 4 Science (Term 4)

2 pts

The diagram below shows 2 different objects, X and Y, being placed into a beaker filled with the same amount of water.



After the objects were placed into the beakers of water, it was observed that the water level in both beakers were identical.



Based on the set-ups above, which one of the following conclusions about objects X and Y is correct?

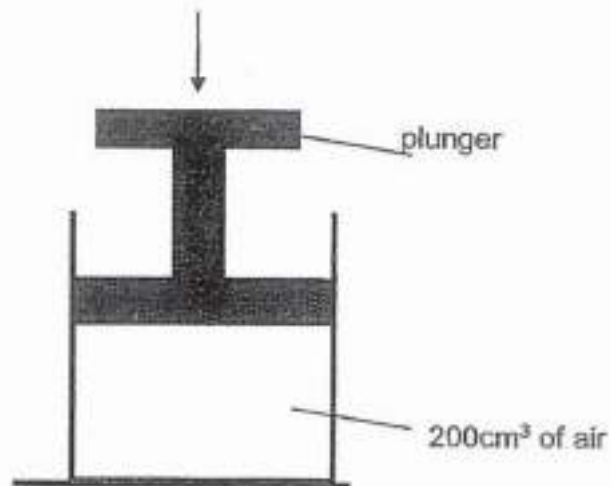
- A) X and Y have the same mass.
- B) X and Y have the same weight.
- C) X and Y have the same volume.
- D) X and Y are made of the same material.

Question 25 of 63

Primary 4 Science (Term 4)

2 pts

Ashton pushed the plunger into an empty container as shown below.



What would happen to the mass and volume of air inside the container after Ashton pushed the plunger in?

- A)

Mass of air	Volume of air
decreases	decreases
- B)

Mass of air	Volume of air
remains the same	remains the same
- C)

Mass of air	Volume of air
remains the same	decreases
- D)

Mass of air	Volume of air
decreases	remains the same

Question 26 of 63

Primary 4 Science (Term 4)

2 pts

Si Ling listed the properties of 4 materials, J, K, L and M, in the table below.

Properties	Material J	Material K	Material L	Material M
Does it tear easily?	No	No	Yes	No
Is it waterproof?	Yes	Yes	Yes	No
Is it flexible?	No	Yes	Yes	Yes

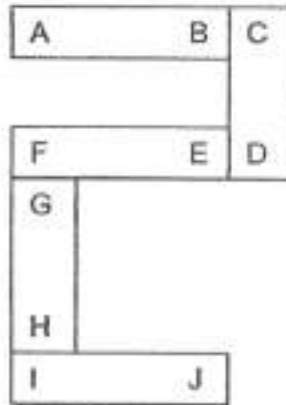
Which one of the materials is most suitable for making a swimming cap?

-
- A) Material J
- B) Material K
- C) Material L
- D) Material M

Question 27 of 63

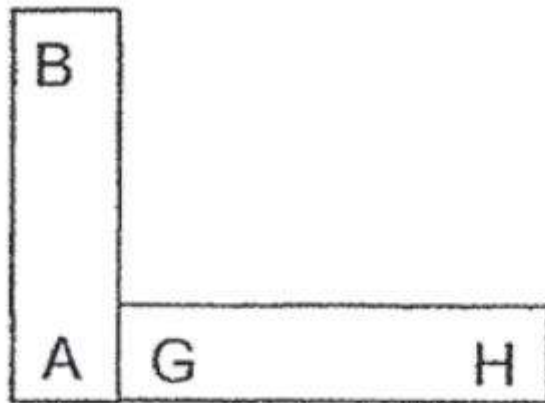
Primary 4 Science (Term 4) 2 pts

Five bar magnets with their ends marked from A to J can be arranged as shown below without any repulsion.

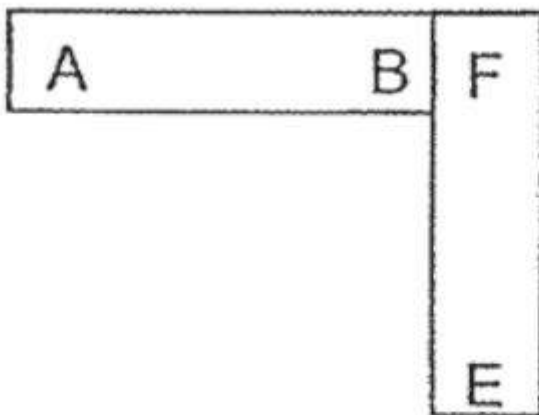


Which one of the following diagrams shows a possible arrangement of two of the above magnets?

A)



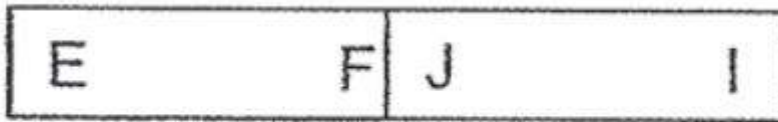
B)



C)



D)

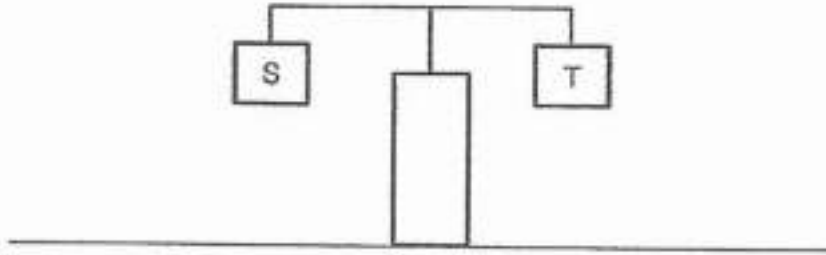


Question 28 of 63

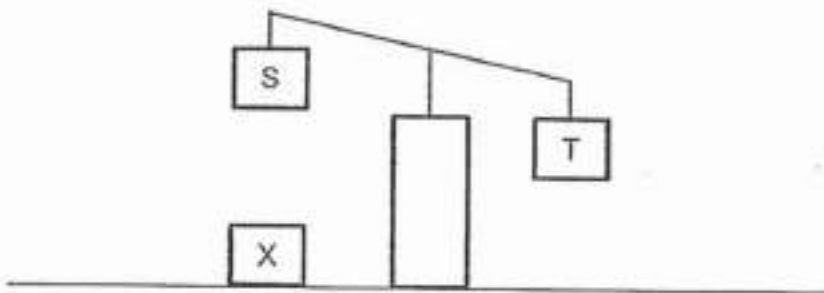
Primary 4 Science (Term 4)

2 pts

The diagram below shows a beam balance with objects S and T hung at both ends. Both objects are of the same mass.



The diagram below shows what happens when an object, X, is placed below object S.



Based on the observations above, which one of the following best describes objects S and X?

- A)

S	X
Magnet	Steel block
- B)

S	X
Magnet	Magnet
- C)

S	X
Plastic block	Magnet
- D)

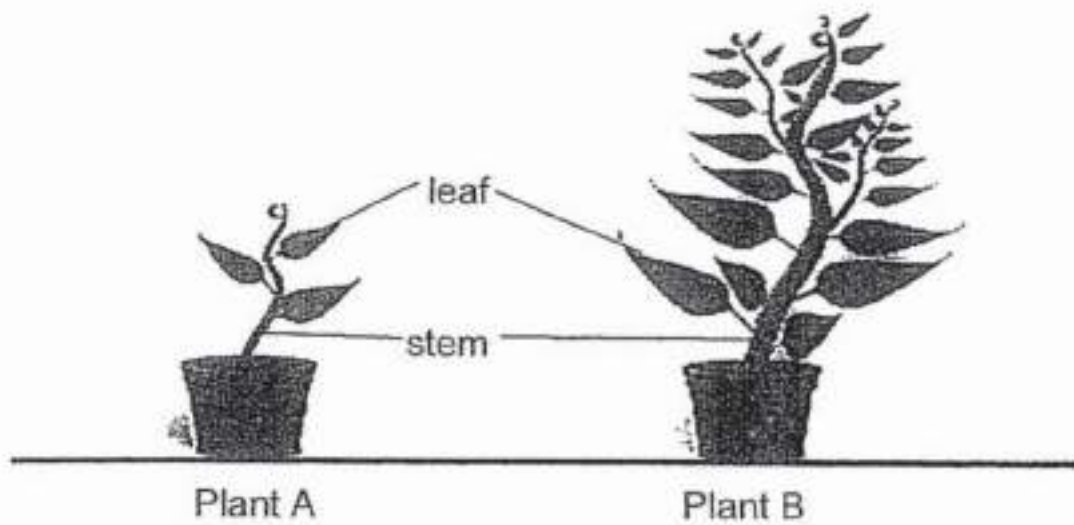
S	X
Steel block	Plastic block

Question 29 of 63

Primary 4 Science (Term 4)

1 pt

The diagram below shows two plants.



What is one difference between the stem of plant A and the stem of plant B?

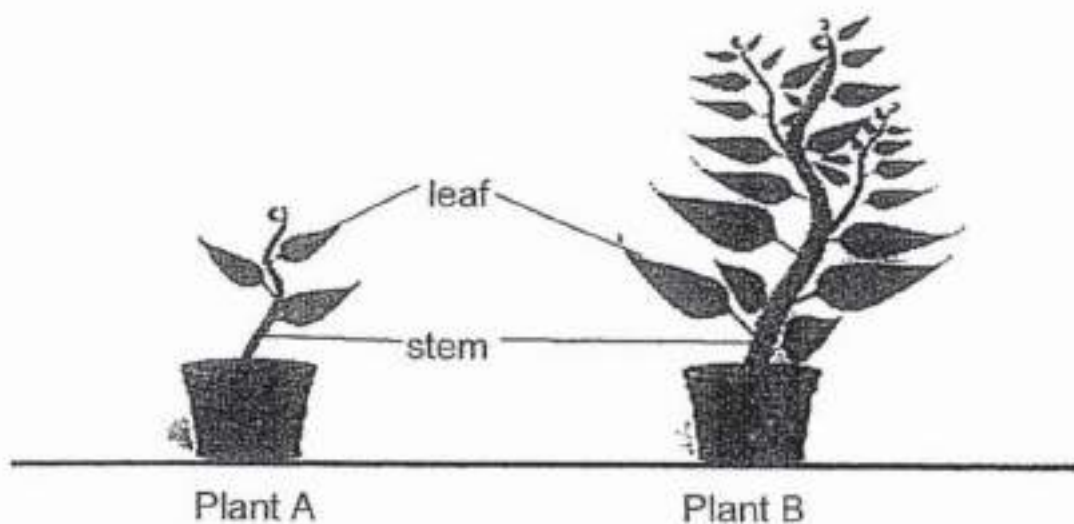
The stem of plant A is _____ than the stem of plant B.

Question 30 of 63

Primary 4 Science (Term 4)

1 pt

The diagram below shows two plants.



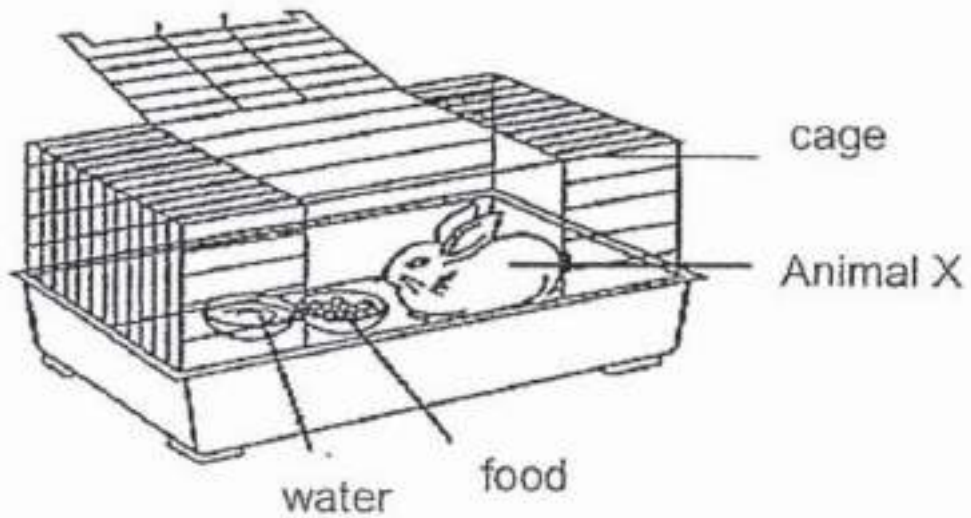
The leaves help both plants to make _____ in the light.

Question 31 of 63

Primary 4 Science (Term 4)

1 pt

Study the diagram below.



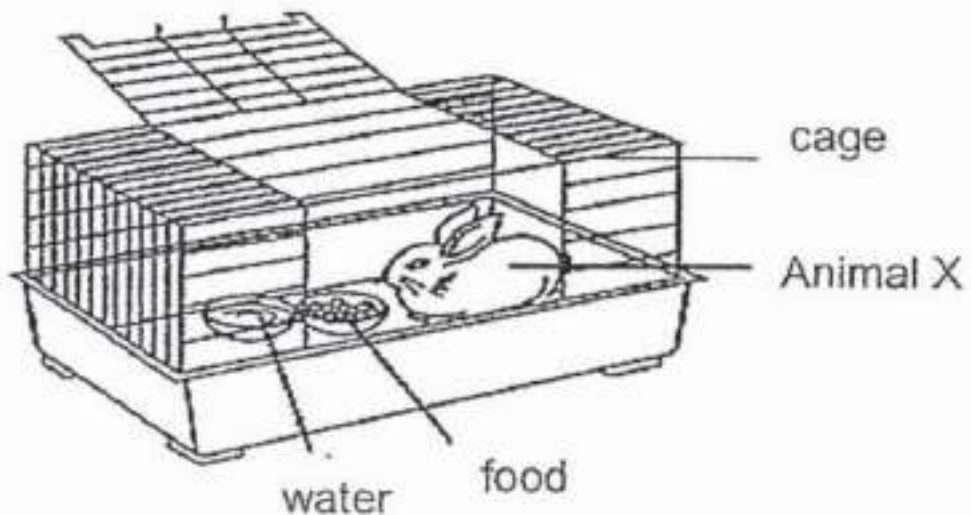
After a few days, will the amount of water in the bowl increase, decrease or remain the same?

Question 32 of 63

Primary 4 Science (Term 4)

1 pt

Study the diagram below.



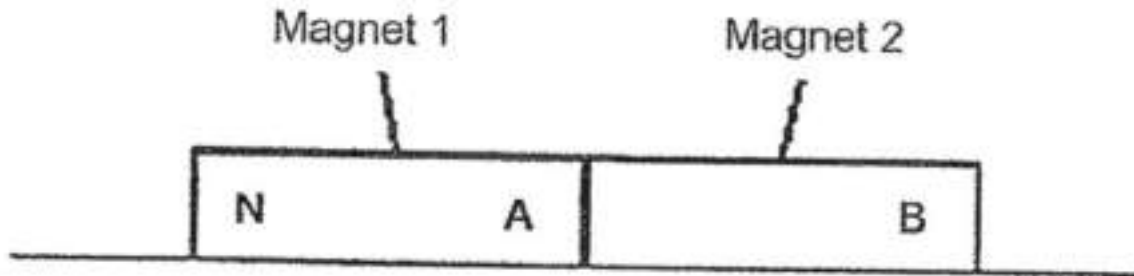
Based on the diagram above, name one substance this animal needs so that it remains alive.

Question 33 of 63

Primary 4 Science (Term 4)

1 pt

Two magnets are placed together as shown below.
They did not repel each other.



The north pole of magnet 1 is labelled N.

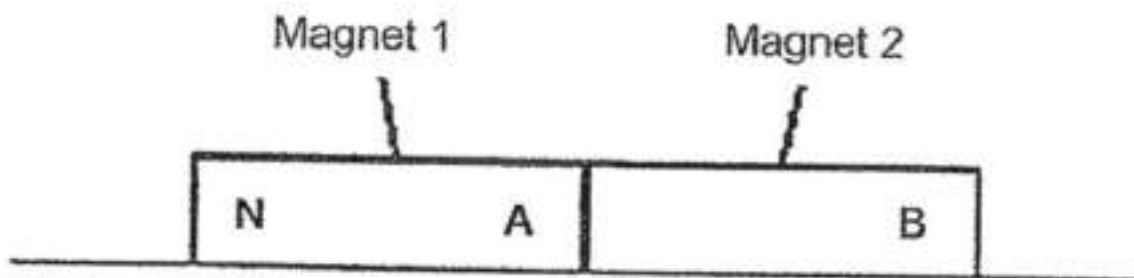
Identify the poles labelled A on magnet 1.

Question 34 of 63

Primary 4 Science (Term 4)

1 pt

Two magnets are placed together as shown below.
They did not repel each other.



The north pole of magnet 1 is labelled N.

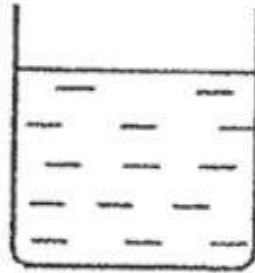
Identify the pole labelled B on magnet 2.

Question 35 of 63

Primary 4 Science (Term 4)

2 pts

The diagram shows a beaker of water.



Fill in the blanks using the correct words in the list.

1. [] When heat is removed from the water, its temperature _____.

A. gas

2. [] The beaker of water is put in the freezer. After some time, the water will change its state to become _____.

B. increases

C. decreases

D. solid

E. remains unchanged

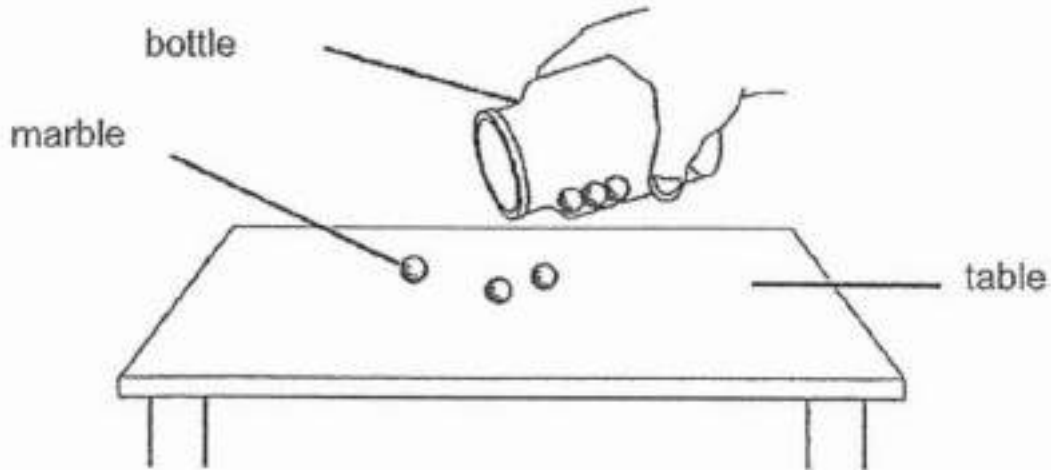
Question 36 of 63

Primary 4 Science (Term 4) 2 pts

Choose the correct words from the box to fill in the blanks below.

solid liquid gas

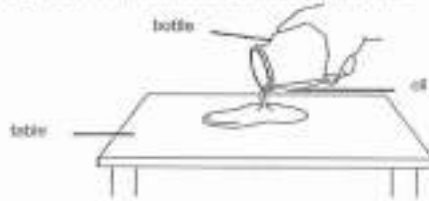
Amy pours some marbles from a bottle onto a table as shown below.



The volume and shape of the marbles remain the same.

1. [] The above shows that a marble is a _____ . A. solid

2. [] Amy pours oil from a bottle onto a table as shown below. B. liquid



The volume of oil remains the same but its shape changes.

This shows that oil is a _____ .

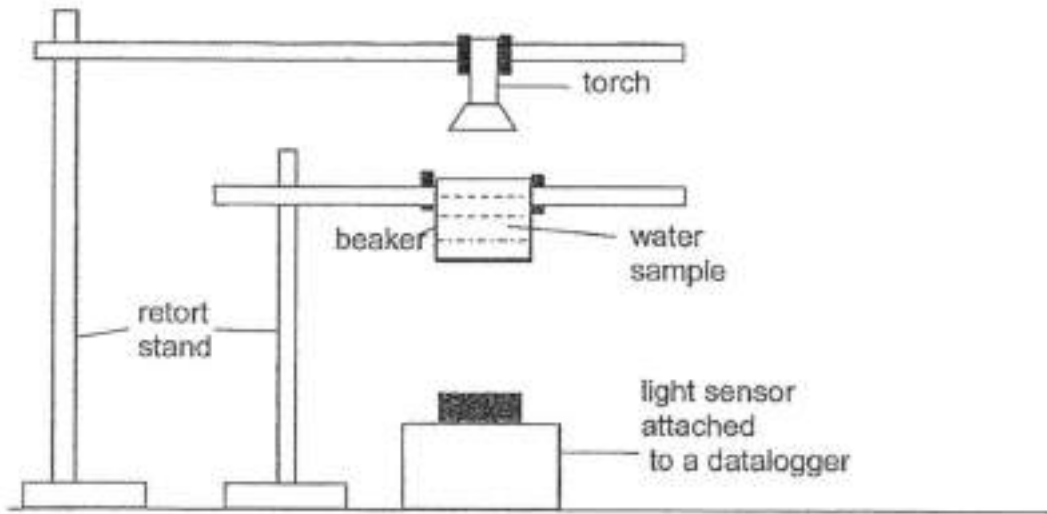
C. gas

Question 37 of 63

Primary 4 Science (Term 4)

1 pt

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

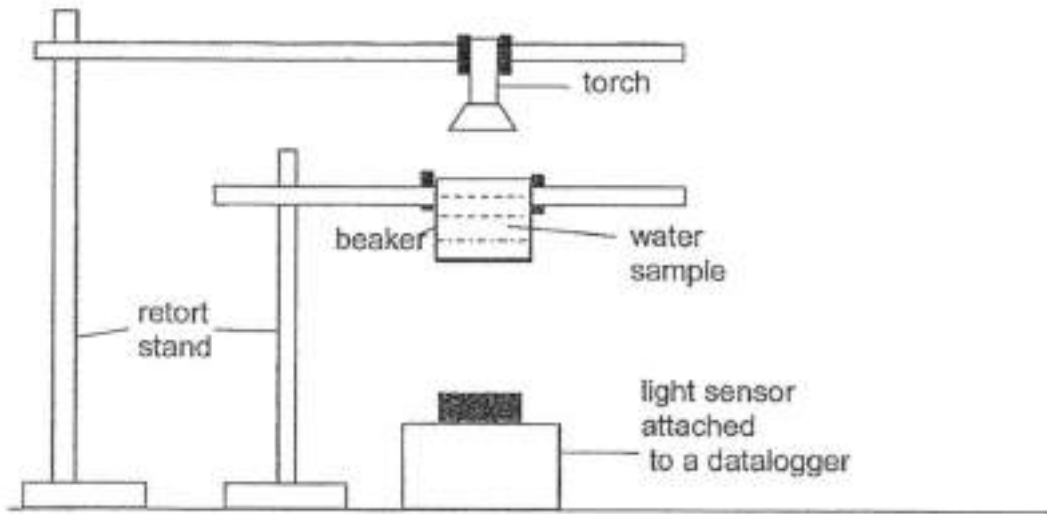
Based on the results collected, arrange the water samples from pond S, T and U starting from the **clearest** water sample.

Clearest -----> Least Clear

Question 38 of 63

Primary 4 Science (Term 4) 0 pts

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

Maya also observed that there is the greatest number of water plant X growing in pond T compared to pond S and U.

Based on the results of the experiment, explain Maya's observations of the growth of water plant X in pond T. (1 mark)

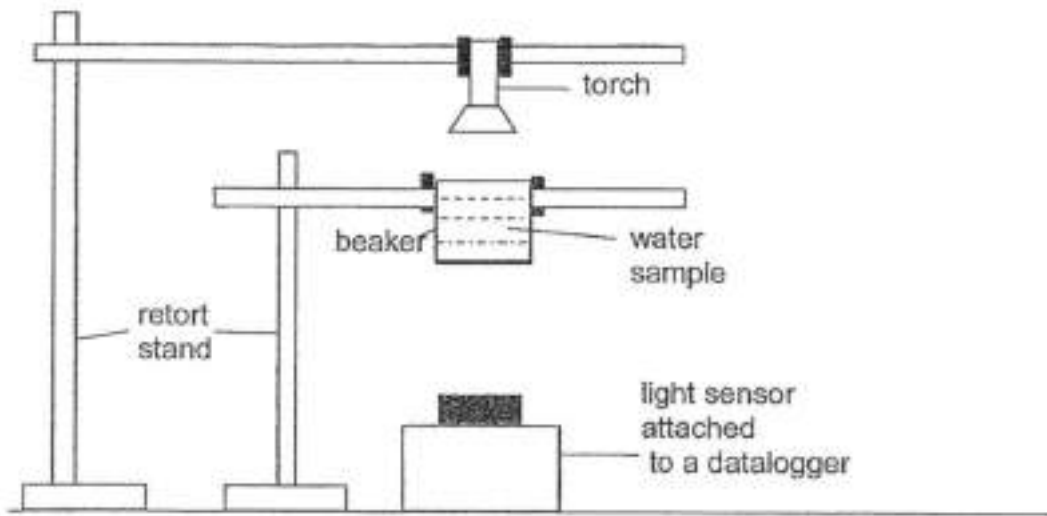
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 39 of 63

Primary 4 Science (Term 4) 0.5 pts

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

Maya identified a few variables in her experiment. Choose the correct answer for each variable so that her experiment will be fair.

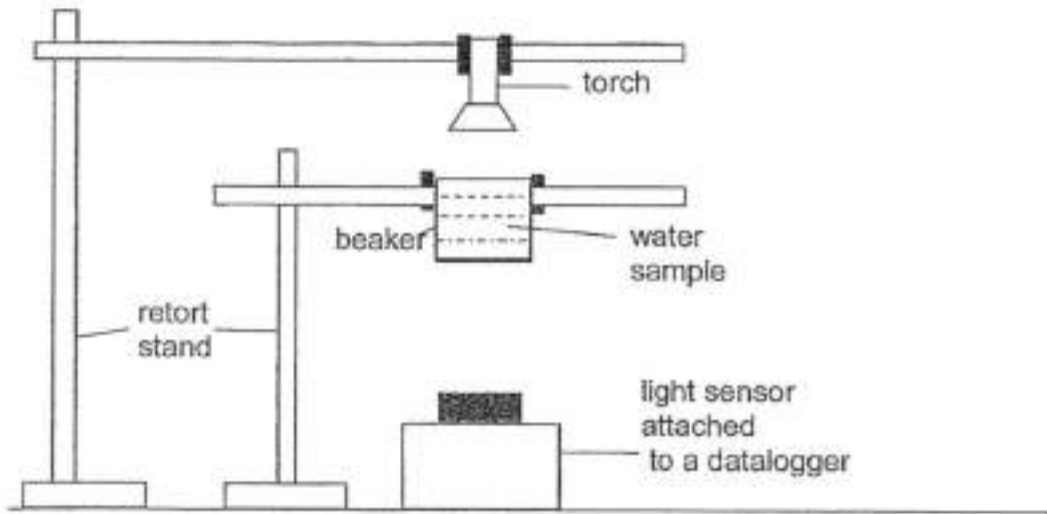
Variable: Light source

- A) Keep the same
- B) Change

Question 40 of 63

Primary 4 Science (Term 4) 0.5 pts

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

Maya identified a few variables in her experiment. Choose the correct answer for each variable so that her experiment will be fair.

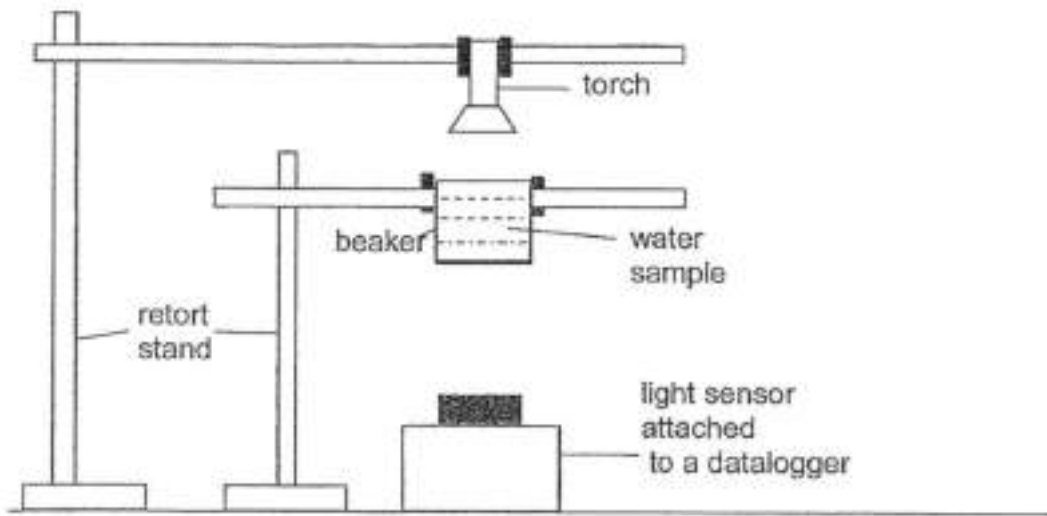
Variable: Water Sample

- A) Keep the same
- B) Change

Question 41 of 63

Primary 4 Science (Term 4) 0.5 pts

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

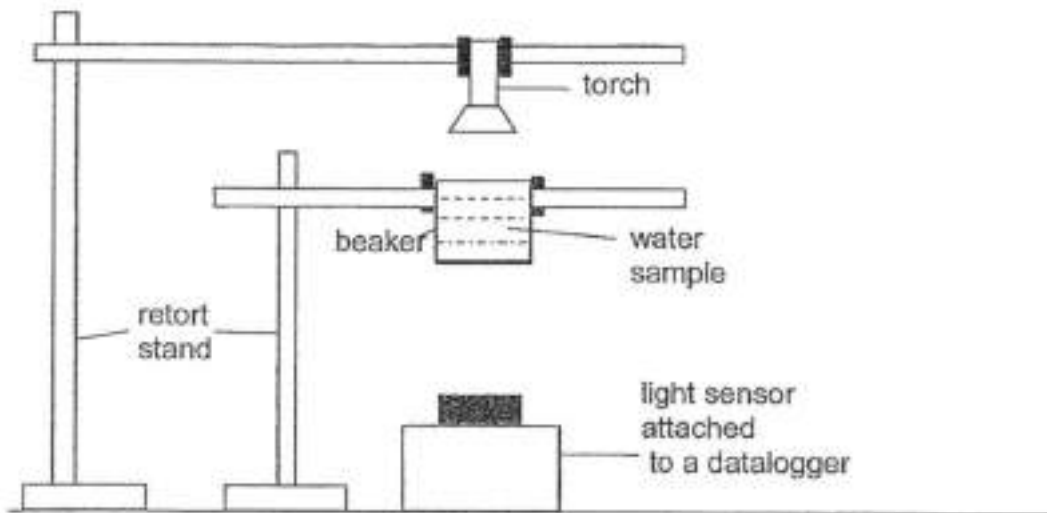
Variable: Amount of water sample

- A) Keep the same
- B) Change

Question 42 of 63

Primary 4 Science (Term 4) 0.5 pts

Maya carried out an experiment with water samples collected from 3 different ponds, S, T and U. She placed 100 ml of water samples into a glass beaker and set up the experiment as shown below.



Maya switched on her torch and shone it over the water sample. She used a datalogger to measure the amount of light that passed through the water sample. She repeated her experiment for water sample T and U. She recorded her results in the table below.

Amount of light detected (unit)		
Pond S	Pond T	Pond U
300	910	77

Variable: Distance between torch and light sensor of data logger

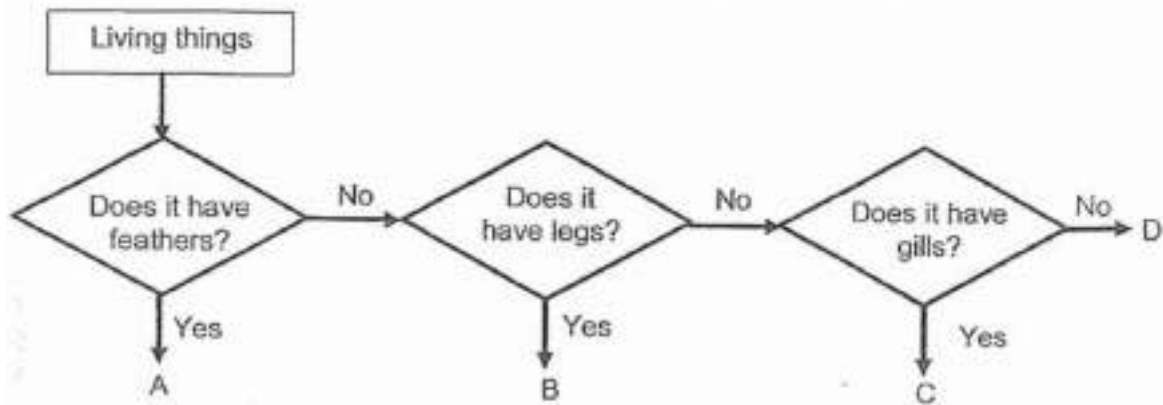
- A) Keep the same
- B) Change

Question 43 of 63

Primary 4 Science (Term 4)

1 pt

The diagram shows a flowchart of four animals, A, B, C and D.



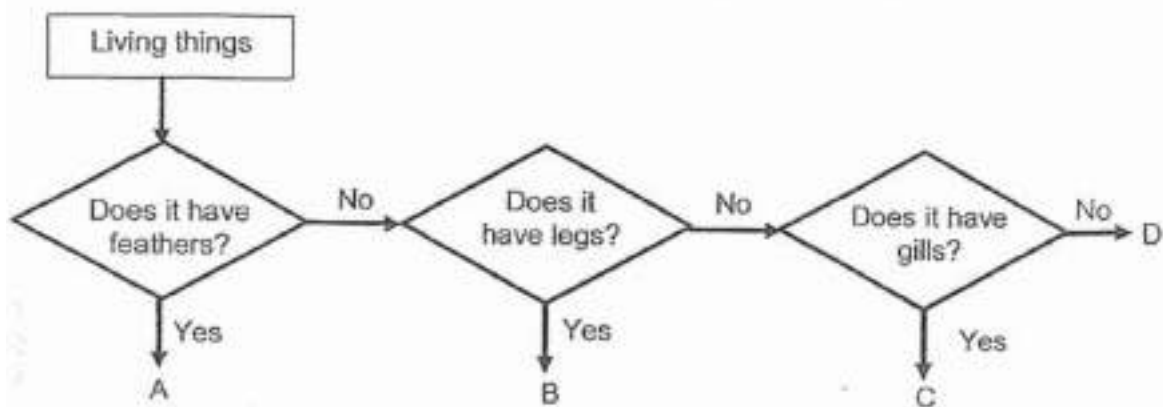
Which group of animals does animal A belong to?

Question 44 of 63

Primary 4 Science (Term 4)

0 pts

The diagram shows a flowchart of four animals, A, B, C and D.



Write down all the characteristics of animal B. (1 mark)

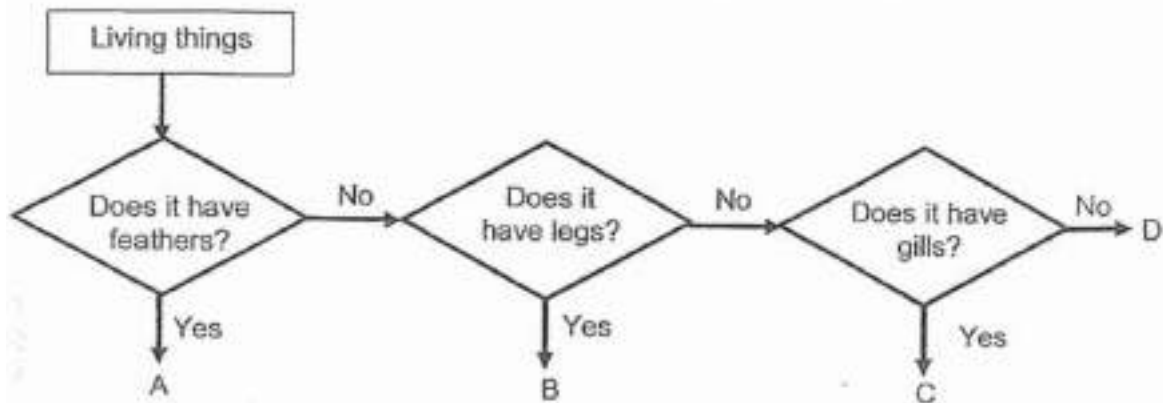
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 45 of 63

Primary 4 Science (Term 4) 0 pts

The diagram shows a flowchart of four animals, A, B, C and D.



State all the similar characteristics between animal C and animal D. (1 mark)

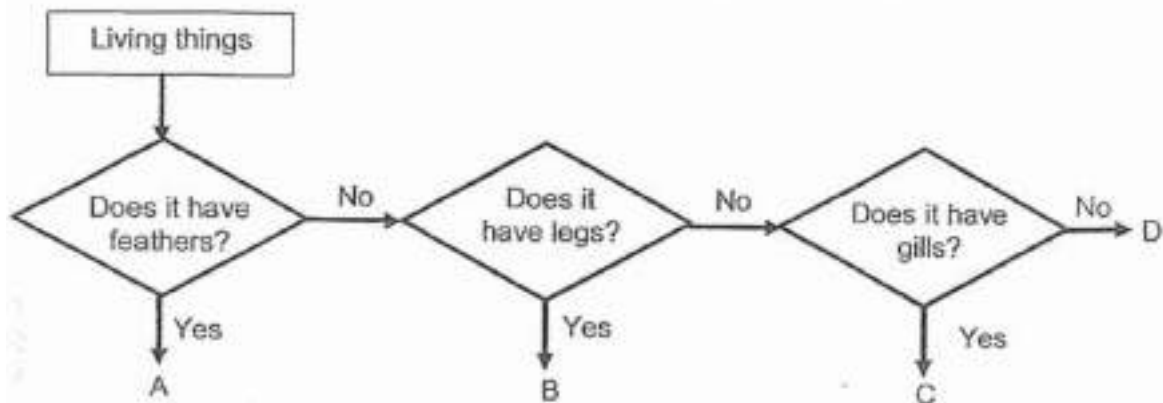
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 46 of 63

Primary 4 Science (Term 4) 1 pt

The diagram shows a flowchart of four animals, A, B, C and D.



Give an example of animal C.

Question 47 of 63

Primary 4 Science (Term 4) 1 pt

Shayna classified some living things into different groups based on their characteristics.

Group W	Group X	Group Y	Group Z
penguin cat	bamboo plant bird's nest fern	mushroom mould	bacteria

In which group, W, X, Y and Z should yeast be placed? (1 mark)

Question 48 of 63

Primary 4 Science (Term 4) 0 pts

Shayna classified some living things into different groups based on their characteristics.

Group W	Group X	Group Y	Group Z
penguin cat	bamboo plant bird's nest fern	mushroom mould	bacteria

Identify one difference in characteristics between the living things in Group X and Y. (1 mark)

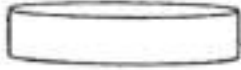
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

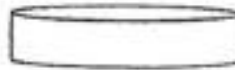
Question 49 of 63

Primary 4 Science (Term 4) 0 pts

Mr Tan wanted to keep a pair of shoes in the cupboard for some time. His friend told him that he needed to put something in the cupboard together with his shoes to stop mould from growing on them. He was given two substances, A and B.



Substance A – absorbs
moisture from the
surroundings



Substance B – adds extra
moisture to the
surroundings

Which substance should he use to place in his cupboard so that mould would not grow on his shoes? Explain your answer. [2]

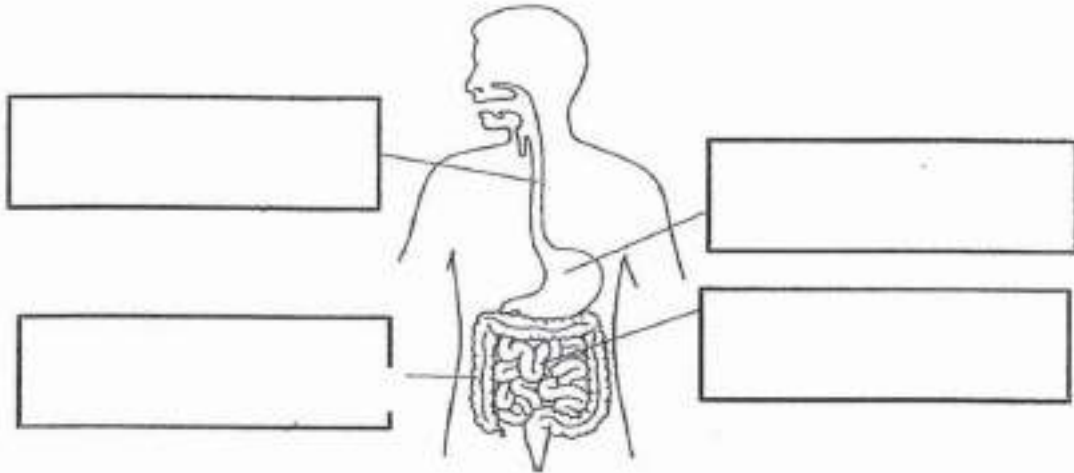
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 50 of 63

Primary 4 Science (Term 4) 0 pts

The diagram below represents the digestive system.



Label the parts of the digestive system in the boxes above. (2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 51 of 63

Primary 4 Science (Term 4) 1 pt

Identify the substances that the small intestine of the digestive system absorb.

Question 52 of 63

Primary 4 Science (Term 4) 1 pt

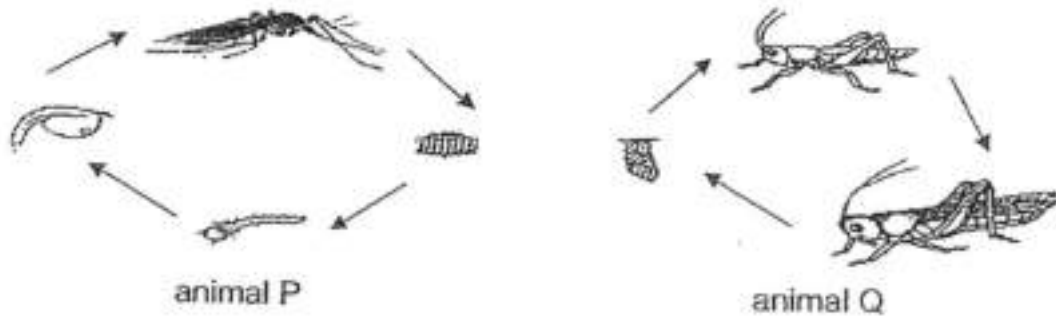
Identify the substances that the large intestine of the digestive system absorb.

Question 53 of 63

Primary 4 Science (Term 4)

0 pts

The diagram below shows the life cycles of animal P and animal Q.



Based only on the diagram above, state two differences between the life cycles of animal P and animal Q. (2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

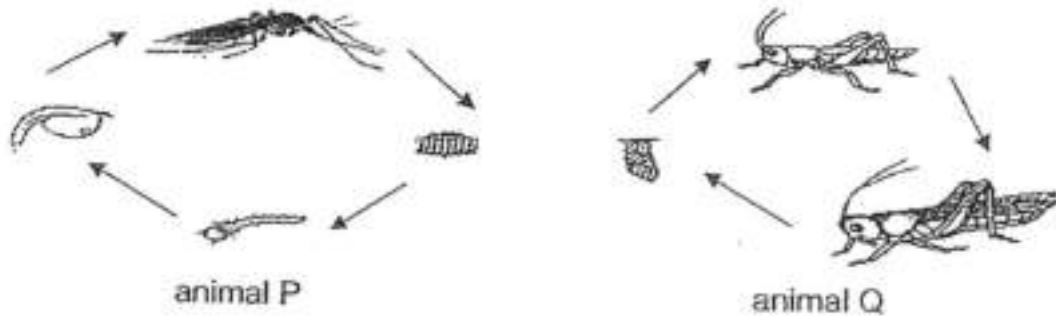
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 54 of 63

Primary 4 Science (Term 4)

0 pts

The diagram below shows the life cycles of animal P and animal Q.



Ruben collected several eggs that belongs to a butterfly. He set up an experiment to find out how the surrounding temperature affects the number of eggs that hatch. The table below shows the results of his experiment.

Set-up	A	B	C
Surrounding temperature (°C)	28	30	32
Number of eggs that hatched	20	24	29

What is the relationship between the surrounding temperature and the number of eggs that hatched? (1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 55 of 63

Primary 4 Science (Term 4) 0 pts

Ruben collected several eggs that belongs to a butterfly. He set up an experiment to find out how the surrounding temperature affects the number of eggs that hatch. The table below shows the results of his experiment.

Set-up	A	B	C
Surrounding temperature (°C)	28	30	32
Number of eggs that hatched	20	24	29

Based on the results above, what can be done to increase the number of adult butterflies? Explain your answer. (2 marks)

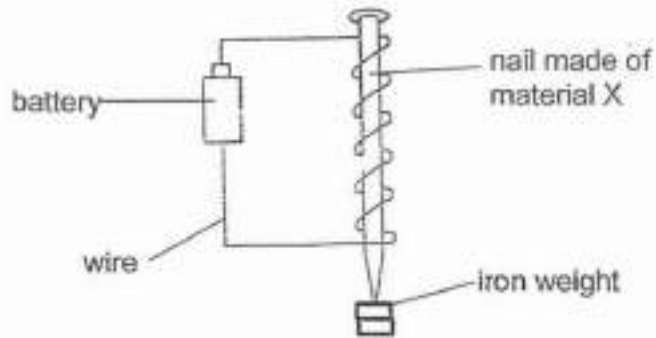
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 56 of 63

Primary 4 Science (Term 4) 0 pts

Xue Wen wanted to find out which material, X, Y or Z, can be used to make a stronger electromagnet. He made an electromagnet by using a nail made of material X and carried out an experiment as shown below.



He kept adding iron weights to the tip of the electromagnet until they could no longer be attracted. He repeated the experiment with materials Y and Z and recorded the results in the table below.

Material	X	Y	Z
Number of iron weights attracted	2	8	5

Xue Wen's teacher advised that he should have repeated the experiment at least 3 times for each material so that he would get three readings for each material.

Why did Xue Wen's teacher ask him to repeat the experiment? (1 mark)

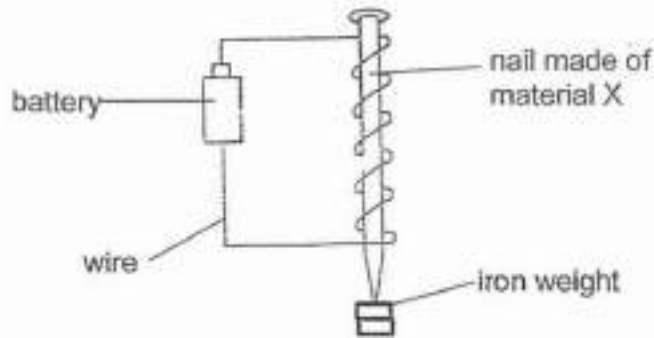
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 57 of 63

Primary 4 Science (Term 4) 0 pts

Xue Wen wanted to find out which material, X, Y or Z, can be used to make a stronger electromagnet. He made an electromagnet by using a nail made of material X and carried out an experiment as shown below.



He kept adding iron weights to the tip of the electromagnet until they could no longer be attracted. He repeated the experiment with materials Y and Z and recorded the results in the table below.

Material	X	Y	Z
Number of iron weights attracted	2	8	5

Xue Wen's teacher advised that he should have repeated the experiment at least 3 times for each material so that he would get three readings for each material.

State 2 ways to increase the strength of the electromagnet? (2 marks)

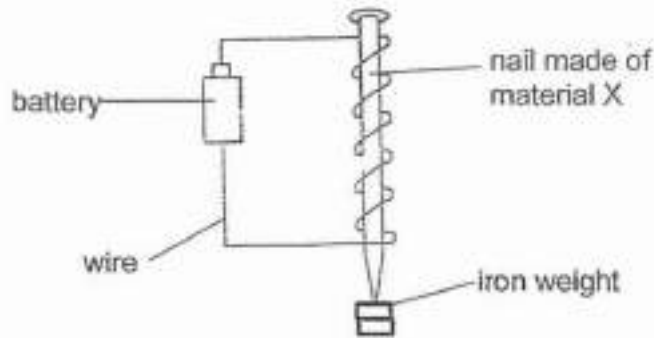
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 58 of 63

Primary 4 Science (Term 4) 0 pts

Xue Wen wanted to find out which material, X, Y or Z, can be used to make a stronger electromagnet. He made an electromagnet by using a nail made of material X and carried out an experiment as shown below.



He kept adding iron weights to the tip of the electromagnet until they could no longer be attracted. He repeated the experiment with materials Y and Z and recorded the results in the table below.

Material	X	Y	Z
Number of iron weights attracted	2	8	5

Xue Wen's teacher advised that he should have repeated the experiment at least 3 times for each material so that he would get three readings for each material.

Based on Xue Wen's experiment, which material, when used as an electromagnet, will take the least amount of time to separate iron from the scrap pile? Explain why. (1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

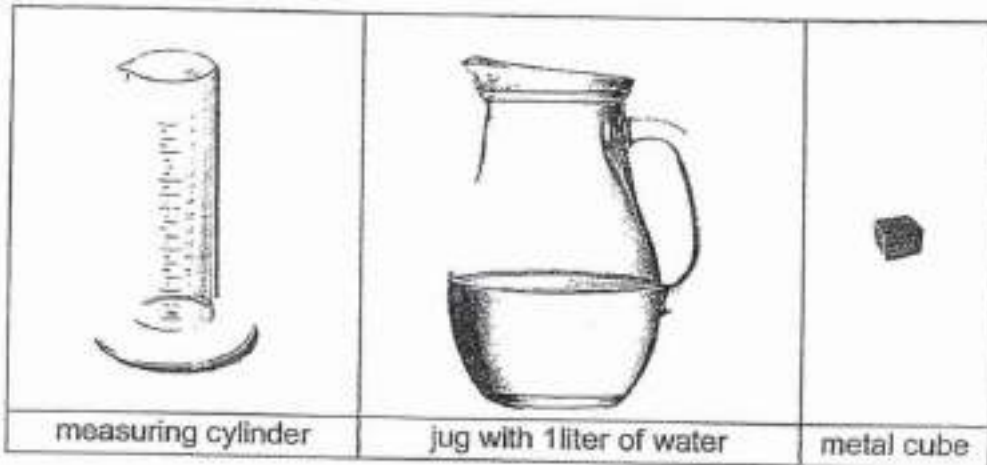
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 59 of 63

Primary 4 Science (Term 4)

0 pts

Jie Ling was asked to determine the volume of a metal cube. She was given the following items.



Using only the items provided, list down the steps that she needs to take to determine the volume of the cube. (2 marks)

Step 1: Pour in 200 ml of water into the measuring cylinder.

Step 2: _____

Step 3: _____

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

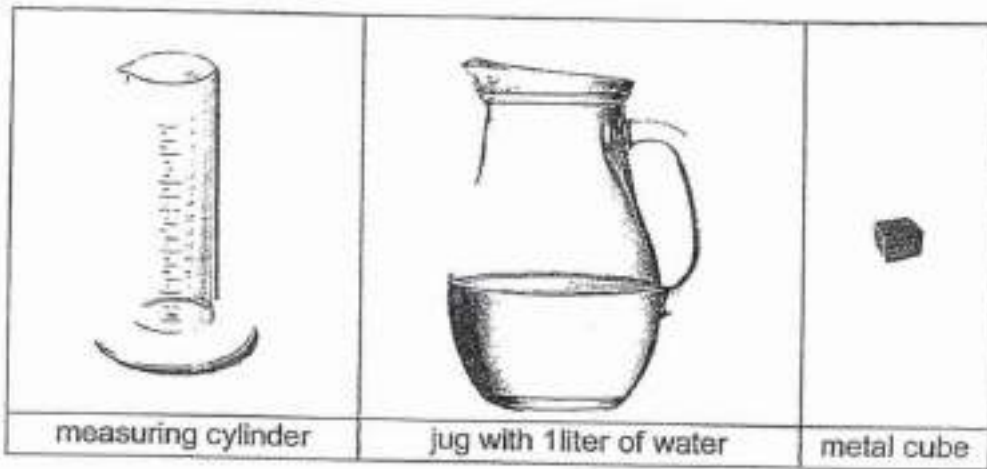
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 60 of 63

Primary 4 Science (Term 4)

0 pts

Jie Ling was asked to determine the volume of a metal cube. She was given the following items.



State two actions that Jie Ling should take while carrying out the experiment to ensure that the volume she measured is accurate. (2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

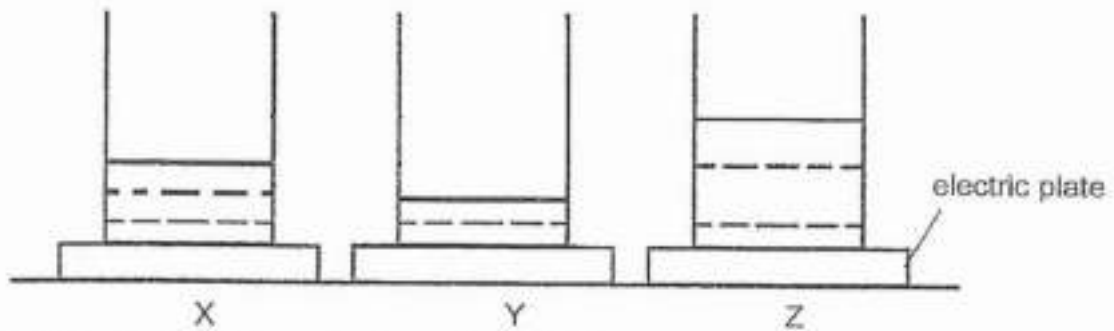
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 61 of 63

Primary 4 Science (Term 4)

1 pt

The diagram below shows three beakers with different amounts of water. They were placed on three identical electric plates and heated till the water boiled.



The time needed for the water to reach 100 °C was recorded down.

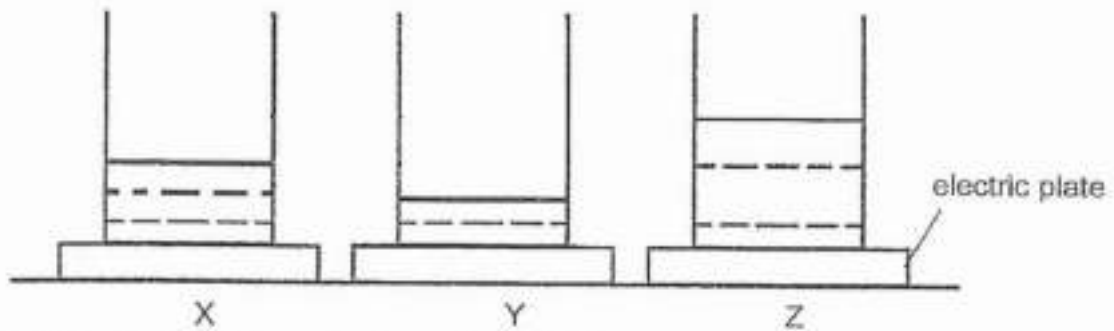
Based on the set-up above, arrange beakers X, Y and Z in the table below, beginning with the beaker of water that took the shortest time to boil to the beaker of water that took the longest time.

Shortest time to boil -----> Longest time to boil

Question 62 of 63

Primary 4 Science (Term 4) 0 pts

The diagram below shows three beakers with different amounts of water. They were placed on three identical electric plates and heated till the water boiled.



The time needed for the water to reach 100 °C was recorded down.

Nadya decided to use one of the beakers of boiling water to cook an egg. Which beaker of water should she use if she wanted to make hard-boiled egg as fast as possible? Explain your answer. (2 marks)

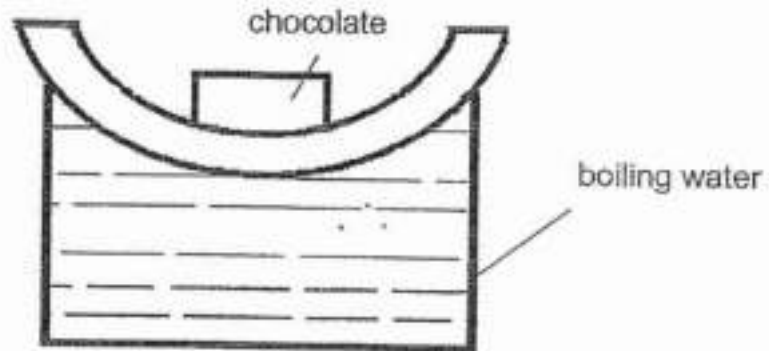
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question 63 of 63

Primary 4 Science (Term 4) 0 pts

Nadya wanted to melt her chocolate. She placed a dish with a piece of chocolate on top of a container of boiling water as shown in the diagram below.



Explain why the chocolate melted after some time.

[2]

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.