



Tests Edit Test

Tests Groups Links

Primary 4 - Term 4 Science (Tao Nan)

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Assign Test

Test Introduction

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57 Questions (59 Points)

Question Bank: 19,950 Questions

- Test Questions
- 1 Test Assignment



Question 1

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Booklet A (22 x 2 marks)

For each question from 1 to 22, four options are given. One of them is the correct answer.

Which of the following substances has a fixed shape?

- A) air
- ✓ B) rock
- C) milk
- D) water

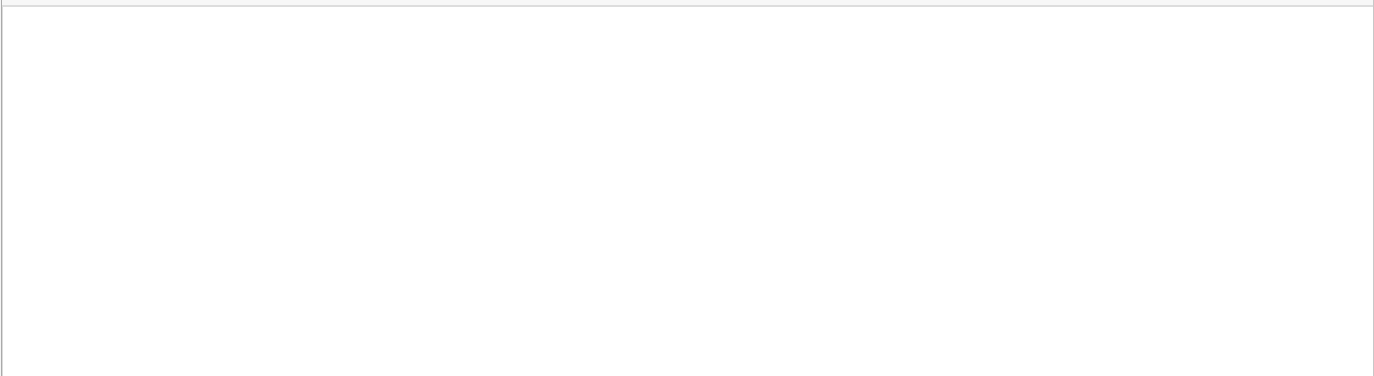
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,748

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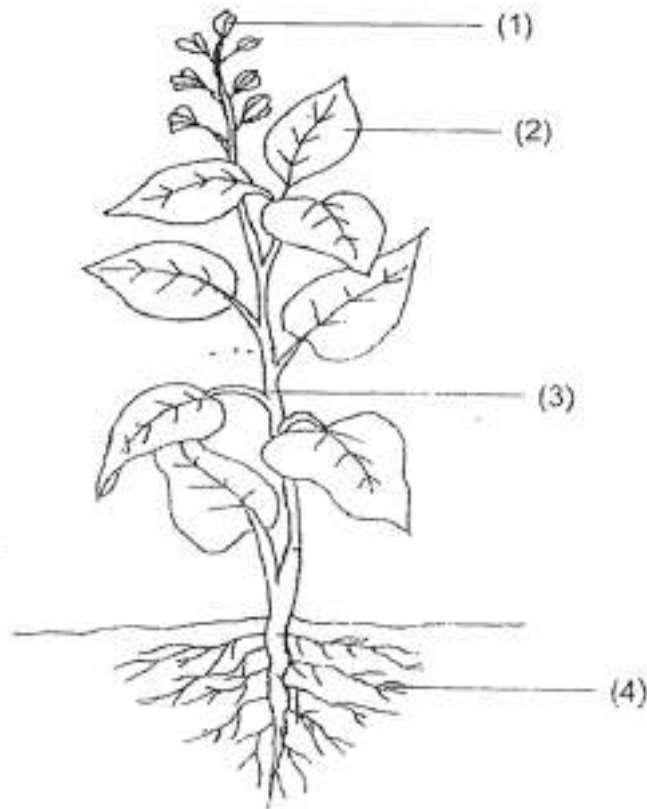
Question 2

Primary 4 Science » Primary 4 Science (Term 4)

2 pts



Which part, (1), (2), (3) or (4), helps to hold the plant upright?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,752

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Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

In which part of the digestive system is food absorbed into the blood?

- A) mouth
- B) stomach
- ✓ C) small intestine
- D) large intestine

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,779

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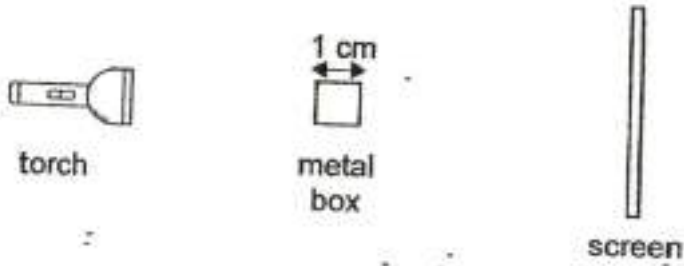
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Question 4

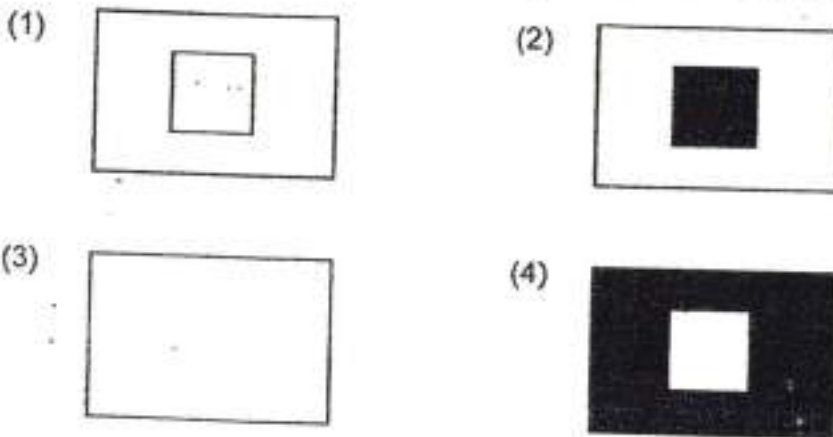
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The set-up below shows a torch shining on a metal box.



Which one of the following would likely be seen on the screen?



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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: Mon 30th Nov 2020
QID#: 25,133,787

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Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following is not a source of heat?

- A) the sun
- B) a lit lamp
- C) a candle flame
- ✓ D) a woollen jacket

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,796

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⚙ Reorder](#)

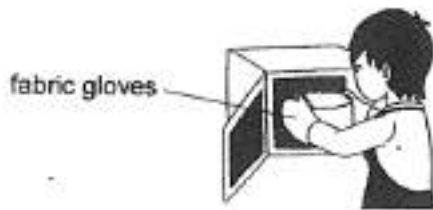
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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Ali is taking a pot of baked potato out from the oven as shown below.



He is able to hold the pot using his fabric gloves. This is because fabric is a

- A) waterproof material
- B) non-magnetic material
- ✓ C) poor conductor of heat
- D) good conductor of heat

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,806

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⚙ Reorder](#)

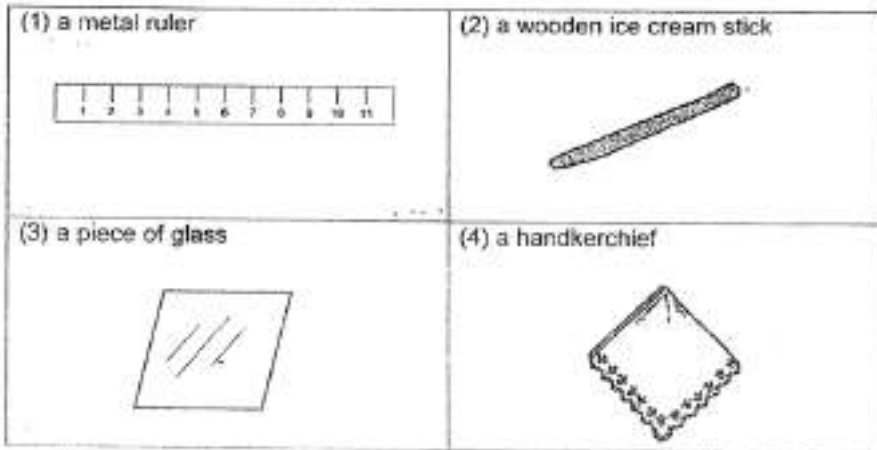
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Question 7

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

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



- A) 1
- B) 2
- C) 3
- ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,812

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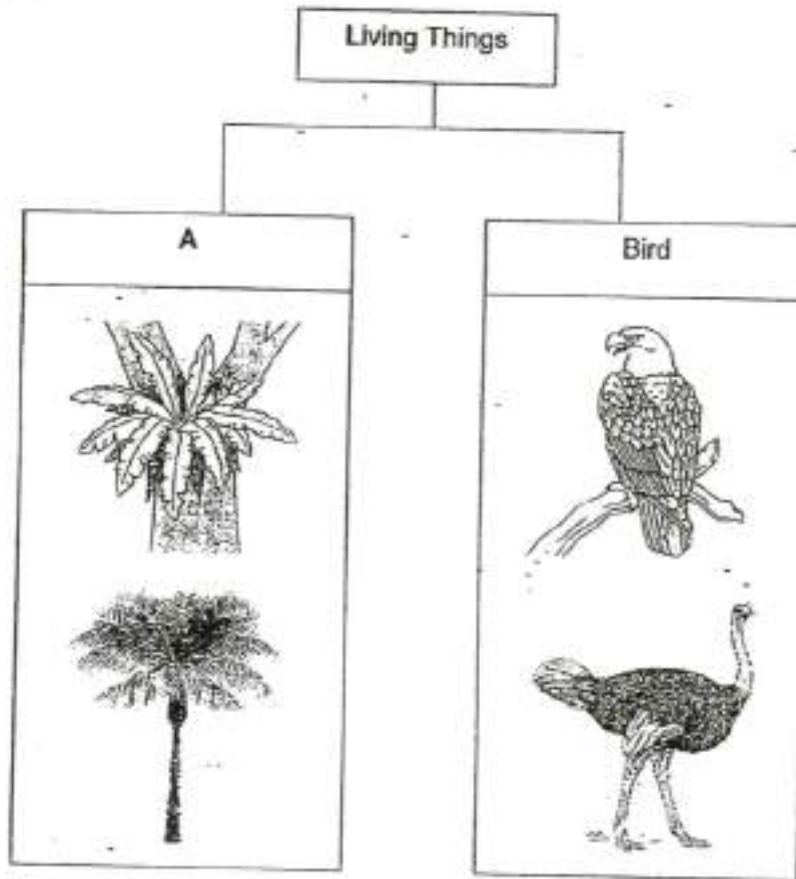
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Question 8

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The table below shows how some living things can be grouped.



Which one of the following is the most suitable heading for group A?

- A) bird
- ✓ B) plant
- C) fungi
- D) insect

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,823

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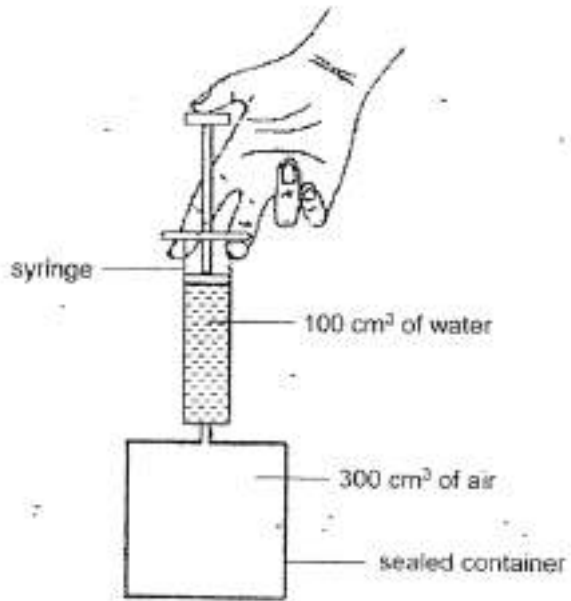
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Question 9

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A sealed container was filled with 300 cm^3 of air and a syringe was filled with 100 cm^3 of water.



All the water in the syringe was pumped into the sealed container.

What would be the final volume of air in the container after all the water was pumped in?

- A) 100 cm^3
- ✓ B) 200 cm^3
- C) 300 cm^3
- D) 400 cm^3

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,828

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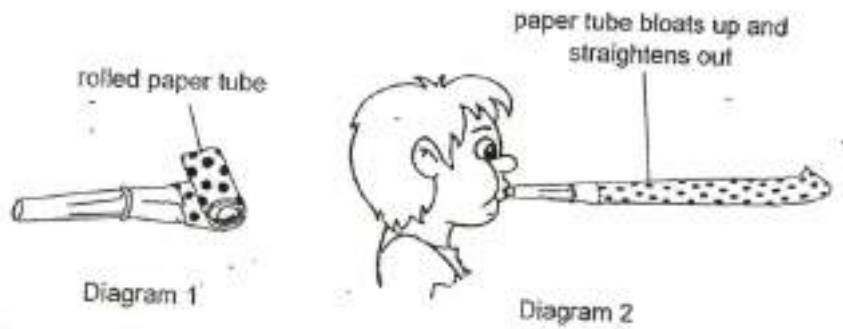
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Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Diagram 1 shows a toy with a rolled paper tube. When air was blown into it, the paper tube straightened as shown in Diagram 2.



Which of the following best explains why the paper tube bloats up and straightens out?

- A) air has mass
- ✓ B) air occupies space
- C) air has a fixed shape
- D) air does not have a fixed volume

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,133,835

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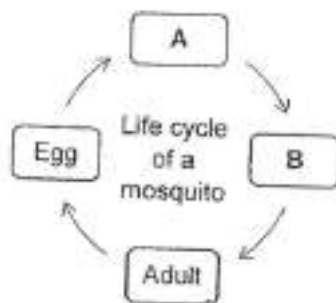
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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the life cycle of a mosquito.



Which of the following correctly describes the characteristic of the mosquito at stages A and B?

	Stage A	Stage B
(1)	feeds	does not feed
(2)	can reproduce	cannot reproduce
(3)	does not have wings	has wings
(4)	does not look like adult	looks like adult

- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,842

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Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The characteristics of Animals X, Y and Z are shown in the table below. A tick "✓" shows that the animal has that characteristic.

Characteristics	Animals		
	X	Y	Z
Has a 3-stage life cycle.	✓	✓	
Lays eggs.		✓	✓
The young looks like the adult.	✓		

What can animals X, Y and Z be?

	X	Y	Z
(1)	beetle	human	frog
(2)	frog	beetle	human
(3)	human	beetle	frog
(4)	human	frog	beetle

- A) 1
- B) 2
- C) 3
- ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,133,851

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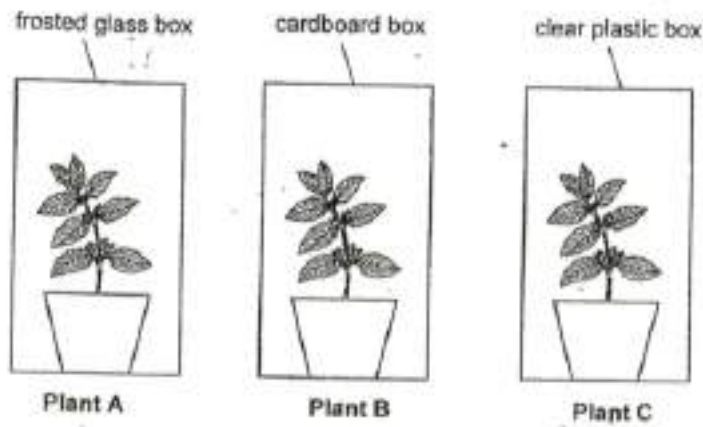
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Question 13

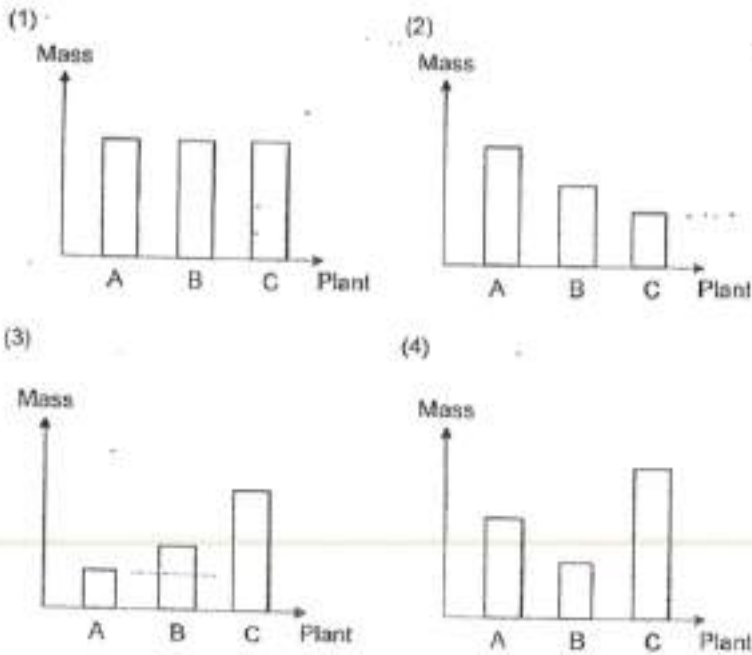
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Three similar plants A, B and C of equal mass were given different conditions as shown below. The plants were placed near a window and watered with the same amount of water daily.



After four months, the mass of the plants were measured. Which graph shows the correct mass of the plants?



- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,134,043

Question 14

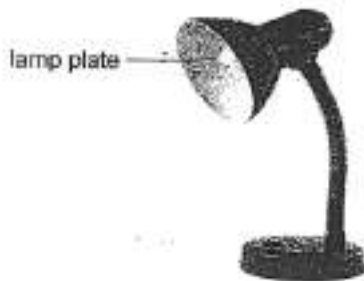
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Sarah tested the amount of light reflected by 4 different materials, A, B, C and D, using a light sensor and recorded the results in the table below.

Material	Amount of light detected by the light sensor (units)
A	320
B	120
C	270
D	80

Sarah wanted to make a lamp plate as shown in the diagram below.



Which material, A, B, C or D, is most suitable for the lamp plate?

- ✓ A) A
- B) B
- C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,053

Question 15

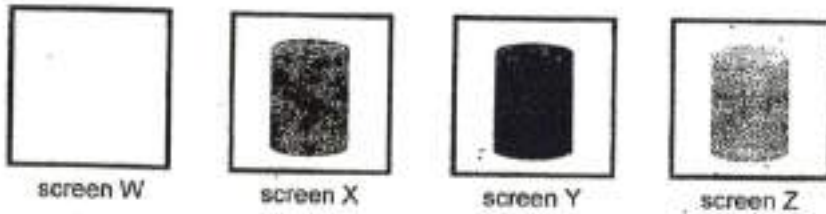
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

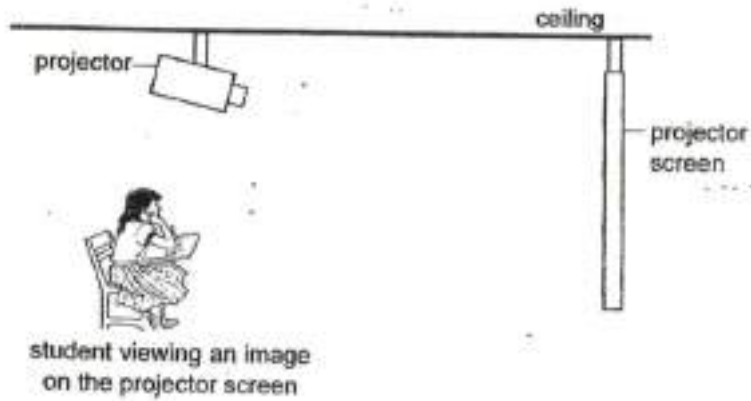
Jane looked at a drink can as shown in the diagram below.



She drew what she saw through four different types of screens, W, X, Y and Z, which are as shown in the diagrams below.



Which screen should Jane use for a projector screen in a classroom?



- ✓ A) screen W
- B) screen X
- C) screen Y
- D) screen Z

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,065

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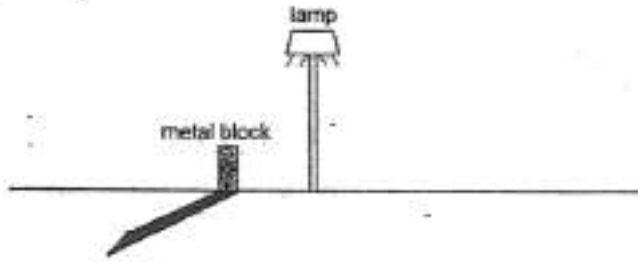
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Question 16

Primary 4 Science » Primary 4 Science (Term 4)

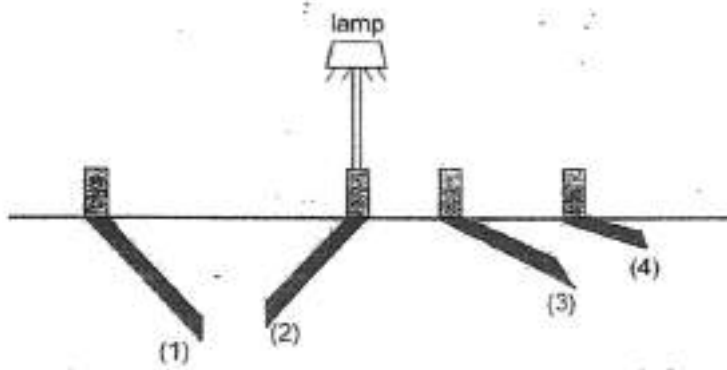
2 pts

Ali conducted an experiment in a dark room to find out how the length of the shadow changed when the metal block changed position.



When the lamp was switched on, Ali observed that the length of the shadow as shown above.

He then changed the positions of the metal block. Which one of the following correctly showed the length of the shadow?



- A) 1
- B) 2
- ✓ C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,134,075

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Mingxin left a bowl of ice cream on a table in the kitchen that was at room temperature.



Which one of the following would Mingxin observe after 5 minutes?

- A) The temperature of the glass bowl increased
- B) The temperature of the ice cream decreased
- ✓ C) The temperature of the metal spoon decreased
- D) The temperature of the surrounding air increased

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,090

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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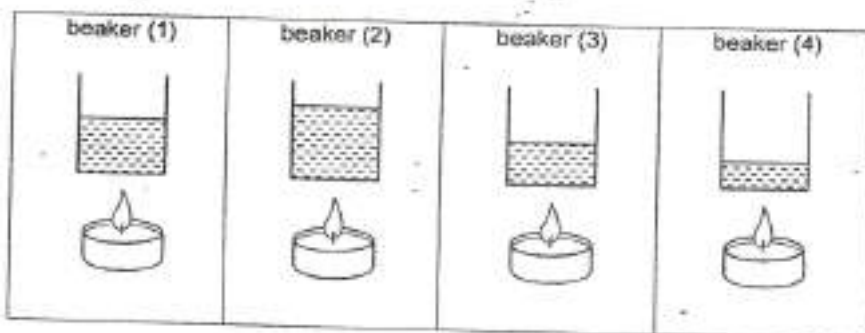
Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Four similar beakers, (1), (2), (3) and (4), contain different amount of water. Each of them is placed at the same height above a flame as shown below.

Which beaker would take the longest time to reach 100°C?



- A) 1
- ✓ B) 2
- C) 3
- D) 4

Question Type: Multiple Choice

Randomize Answers: No
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,134,098

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

4 dishes are made of different materials, P, Q, R and S. Siti heated a piece of wax for 5 minutes on each of the dishes as shown in the diagram below.



She then separated the solid wax from the liquid wax and measured the mass of the solid wax left. Her results were recorded in the table below.

Material	Mass of wax at the start of the experiment (grams)	Mass of solid wax left after 5 minutes (grams)
P	20	18
Q	20	10
R	20	15
S	20	12

Based on the results of her experiment, which one of the following statements is correct?

- A) Material P is the best conductor of heat
- B) Material Q is the poorest conductor of heat
- C) Material R is a better conductor of heat than material S
- ✓ D) Material R is a poorer conductor of heat than material Q

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,134,116

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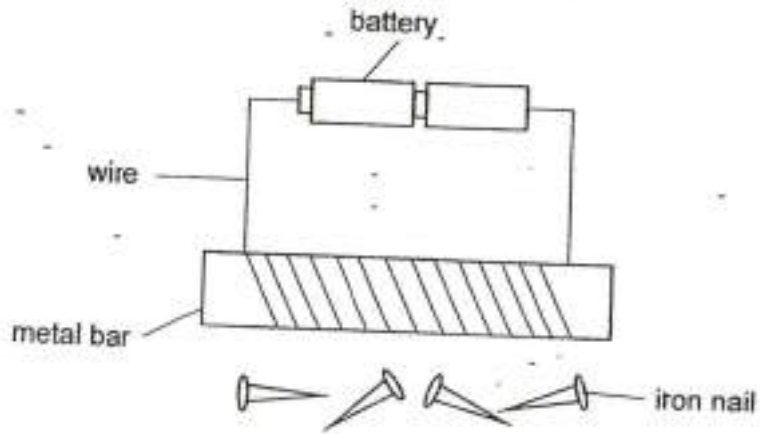
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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Joe wanted to set up an electromagnet as shown below.



However, the metal bar did not attract any iron nails. Why?

- A) The metal bar is made of iron
- B) The nails are made of magnetic material
- ✓ C) The metal bar is made of non-magnetic material
- D) There are too many coils of wire around the metal bar

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,145

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

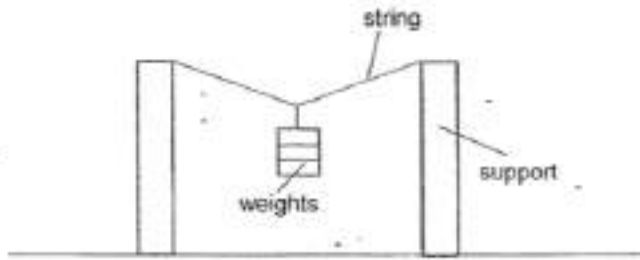
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Question 21

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

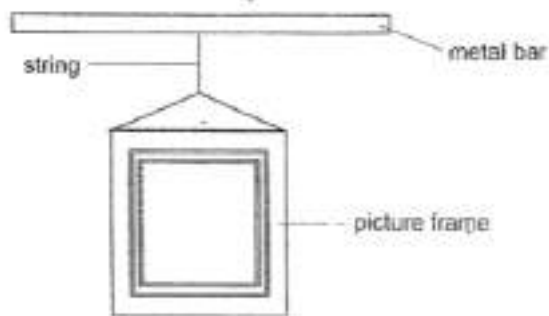
A string was attached to two supports as shown below. Identical weights of 1 kg each were added until it broke. Four strings, A, B, C and D were tested. The strings were of the same thickness and length.



The results of the experiment were shown in the table below.

String	Number of weights hung just before the string broke
A	20
B	15
C	5
D	10

Which string can hold a hanging picture frame of 15 kg without the string breaking as shown below?



- ✓ A) A
- B) B
- C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,161

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Diagram 1 shows a balance with two objects, X and Y, hung at both ends with the same distance from the centre.

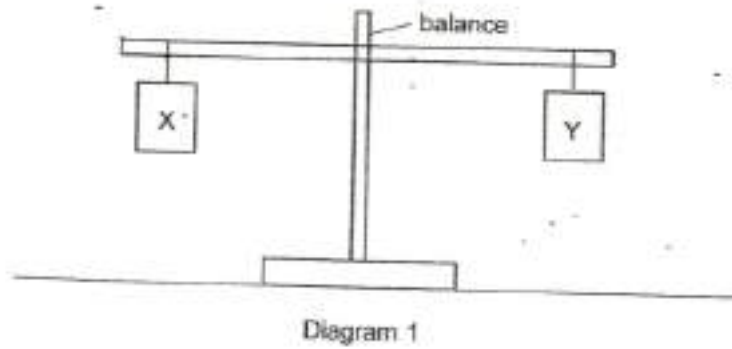
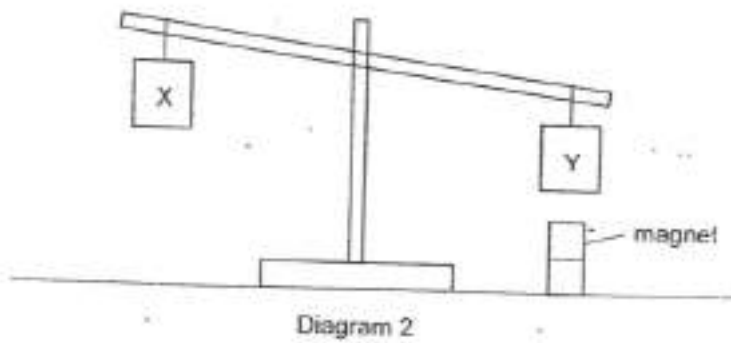


Diagram 2 shows what happens to the balance when a magnet is placed under object Y.



Which one of the following statements is correct?

- A) X is lighter than Y
- B) Mass of Y increased
- C) Y has a greater mass than X
- ✓ D) Y is made of magnetic material

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,177

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 23

Primary 4 Science » Primary 4 Science (Term 4)

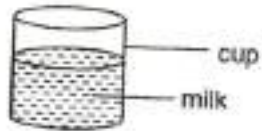
1 pt

Booklet B

This section 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.

The picture below shows a cup of milk.



Complete the sentences to state if the parts are solid, liquid or gas.

(a) The cup is a _____

[1]

Accepted answers:

- ✓ solid
- ✓ The cup is a solid

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,871

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 24

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Milk is a ____

Accepted answers:

- ✓ liquid
- ✓ Milk is a liquid

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,877

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

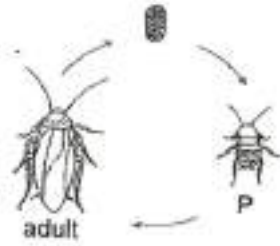
[Remove From Test](#)

Question 25

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows the stages in the life cycle of a cockroach.



(a) Name stage P.

[1]

Accepted answers:

✓ nymph

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,880

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 26

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

State another animal that has a similar life cycle as a cockroach.

Accepted answers:

✓ chicken

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,888

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Look at the diagram below.



Tick (✓) the characteristics in the table below that help to identify that it is an insect.

It is an insect because it _____ [2]

A) can fly

- B) has wings
- ✓ C) has 3 pairs of legs
- ✓ D) has three body parts

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,905

[Answers](#) |
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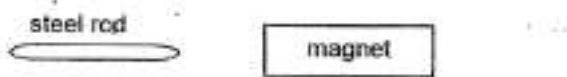
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Question 28

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Amy placed a magnet near a steel rod as shown in the diagram below.



The steel rod moves towards the magnet.

(a) The magnet exerts a _____ force on the steel rod. [1]

Accepted answers:

- ✓ magnetic
- ✓ The magnet exerts a magnetic force on the steel rod

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,928

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Question 29

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Amy's observation shows that steel is a ____ material.

- A) strong
- B) waterproof
- ✓ C) magnetic

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,938

[Answers](#) |
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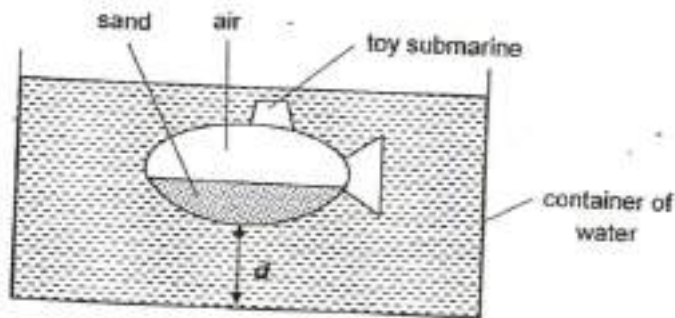
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Question 30

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Victor poured sand into a toy submarine and dropped it into a container of water as shown in the diagram below. He measured the distance, d , from the bottom of the container to the base of the toy submarine. He repeated the experiment by pouring different amounts of sand into the toy submarine.



The result of his experiment is shown in the table below.

a) Complete the table below.

[1]

Mass of sand in the toy submarine (g)	Distance d (cm)
10	25
20	<input type="text"/>
30	15
40	10

Accepted answers:

✓ 20

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,952

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Question 31

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

What is the relationship between the mass of the sand and distance d ?

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,966

Correctly answered feedback

As the mass of the sand increases, distance (d) decreases.

Incorrectly answered feedback

As the mass of the sand increases, distance (d) decreases.

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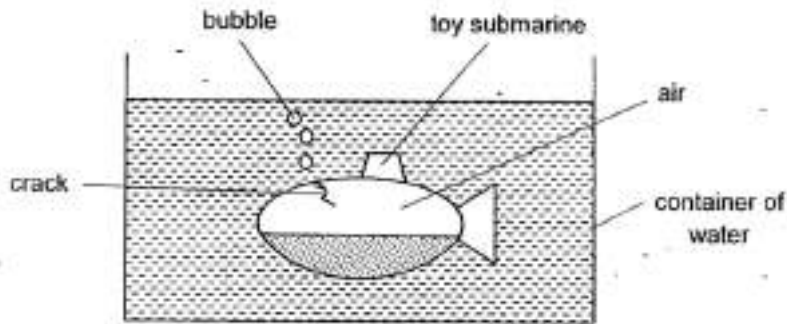
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Question 32

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Victor dropped the toy submarine on the floor and it cracked.



When he placed the toy submarine back into the water, he observed bubbles came out from the crack. After a while, the toy submarine sank deeper.

c) Explain why these happened.

[2]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,134,993

Correctly answered feedback

The crack allowed air to escape and the water from the container could occupy the space in the toy submarine that was previously occupied by air. Water in the toy submarine has mass, so the toy submarine sank deeper after a while.

Incorrectly answered feedback

The crack allowed air to escape and the water from the container could occupy the space in the toy submarine that was previously occupied by air. Water in the toy submarine has mass, so the toy submarine sank deeper after a while.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

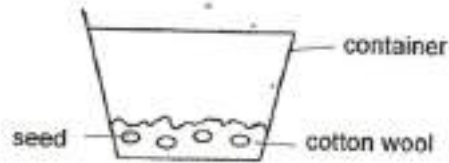
[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Azman placed four seeds into five identical containers A, B, C, D and E. He provided different conditions for each of the containers of seeds as shown in the table below. The five set-ups contained the same amount of cotton wool.



Container	Conditions	
	Where is it placed?	Is it watered?
A	Near window	Watered daily
B	Near window	Not watered
C	In a refrigerator	Watered daily
D	In a refrigerator	Not watered
E	In a cupboard	Watered daily

a) In which container(s) would the seeds germinate?

[1]

- ✓ A) A
- B) B
- C) C
- D) D
- ✓ E) E

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,002

Correctly answered feedback

A

Incorrectly answered feedback

B

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 34

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Azman wants to find out if the seeds need water to germinate. Which two containers can Asman use?

- ✓ A) A
- B) B



C) C

D) D

E) E

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,011

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 35

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State another variable that must be kept constant to ensure a fair test.

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,020

Correctly answered feedback

The presence of oxygen

Incorrectly answered feedback

The presence of oxygen

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

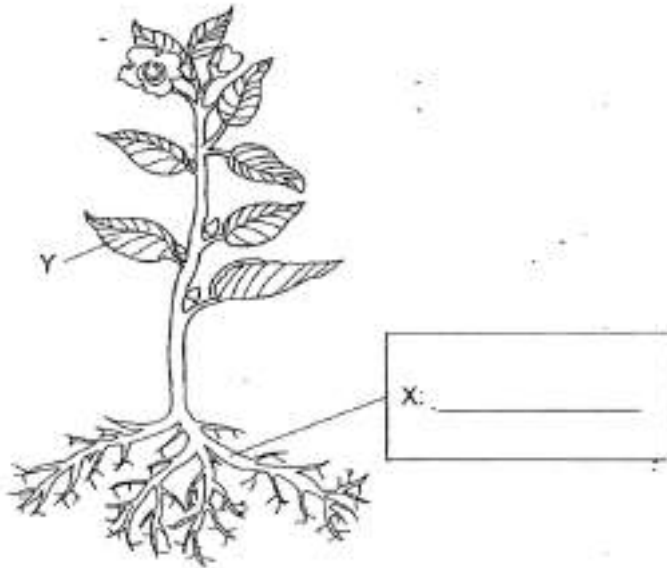
[Remove From Test](#)

Question 36

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Study the picture of a plant below.



a) Label Part X.

[1]

Accepted answers:

✓ roots

Question Type: Free Text
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,031

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 37

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Describe the function of Y

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,036

Correctly answered feedback

Part Y helps the plant trap sunlight to make food for the plant

Incorrectly answered feedback

Part Y helps the plant trap sunlight to make food for the plant

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 38

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Part X absorbs water and mineral salts from the ground. Give another function of Part X.

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,042

Correctly answered feedback

Part X helps to anchor the plant firmly to the ground

Incorrectly answered feedback

Part X helps to anchor the plant firmly to the ground

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

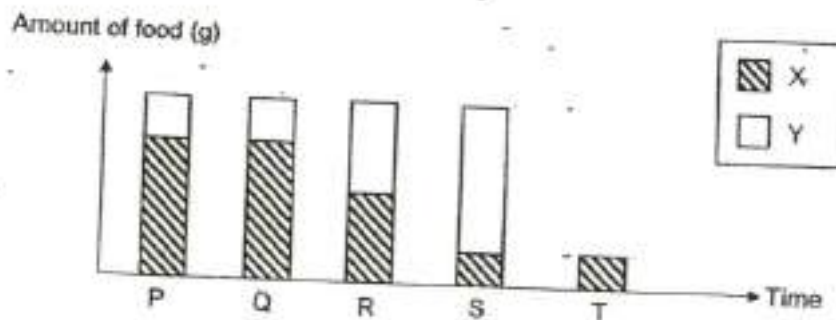
[Remove From Test](#)

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The graph below shows the amount of food at the different parts of a human digestive system.



- a) Which part, X or Y, in the graph represents the amount of food that is undigested? Give a reason for your answer. [1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,051

Correctly answered feedback

Part X, In T, there was only undigested food as it was the large intestine

Incorrectly answered feedback

Part X, In T, there was only undigested food as it was the large intestine

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

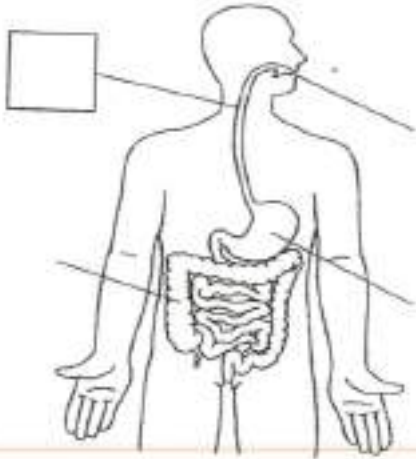
[Remove From Test](#)

Question 40

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

Fill in P, Q, R, S and/or T in the boxes of the diagram below to match the parts in a human digestive system shown in the above graph. You do not need to use all the letters provided. [2]



- A) P
- ✓ B) Q
- C) R
- D) S
- E) T

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: Mon 30th Nov 2020
QID#: 25,135,073

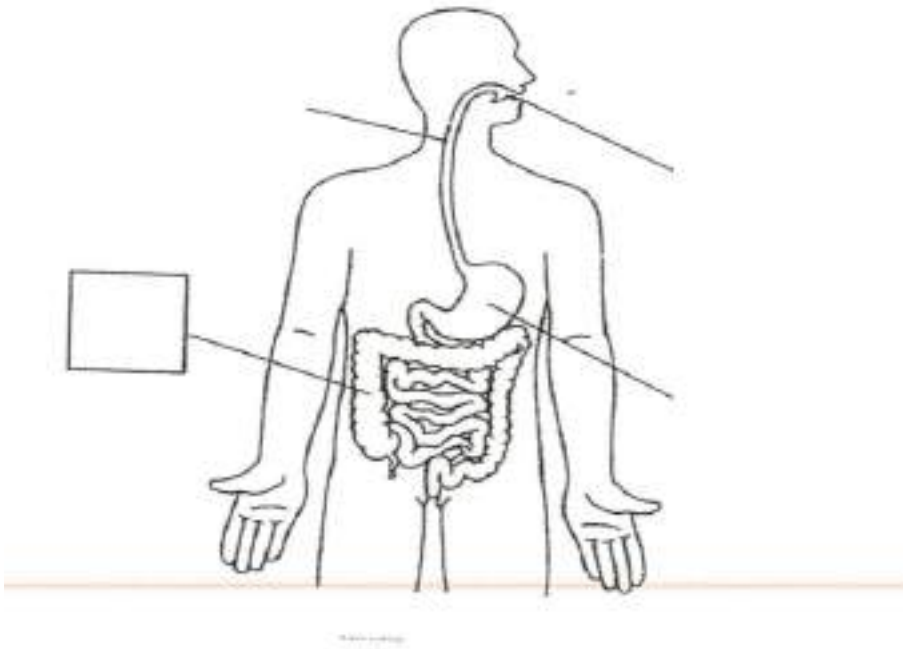
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 41

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts



- A) P
- B) Q
- C) R
- D) S
- ✓ E) T

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,076

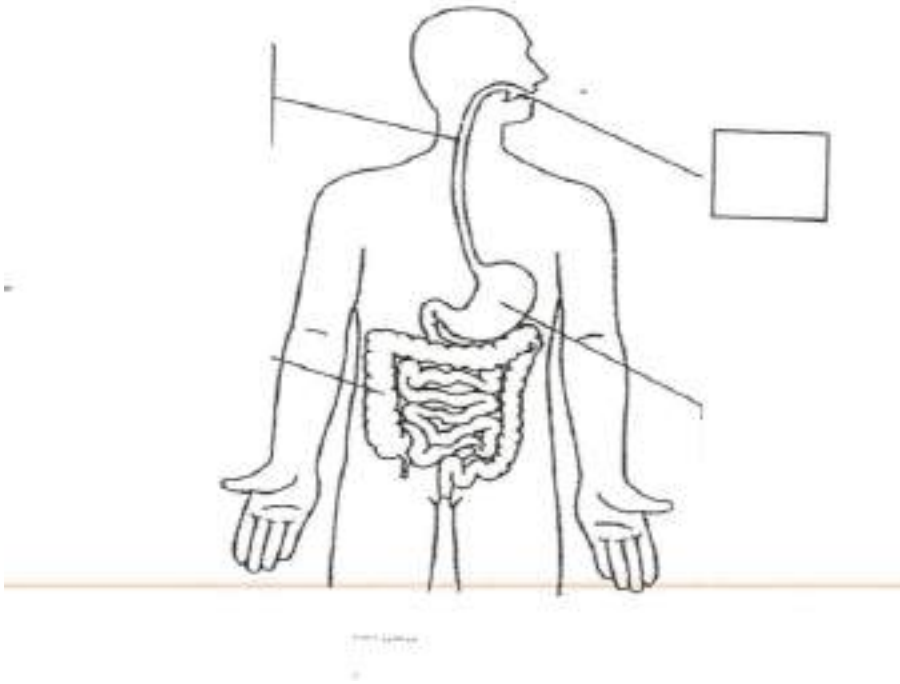
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 42

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts



- ✓ A) P
- B) Q
- C) R
- D) S
- E) T

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,083

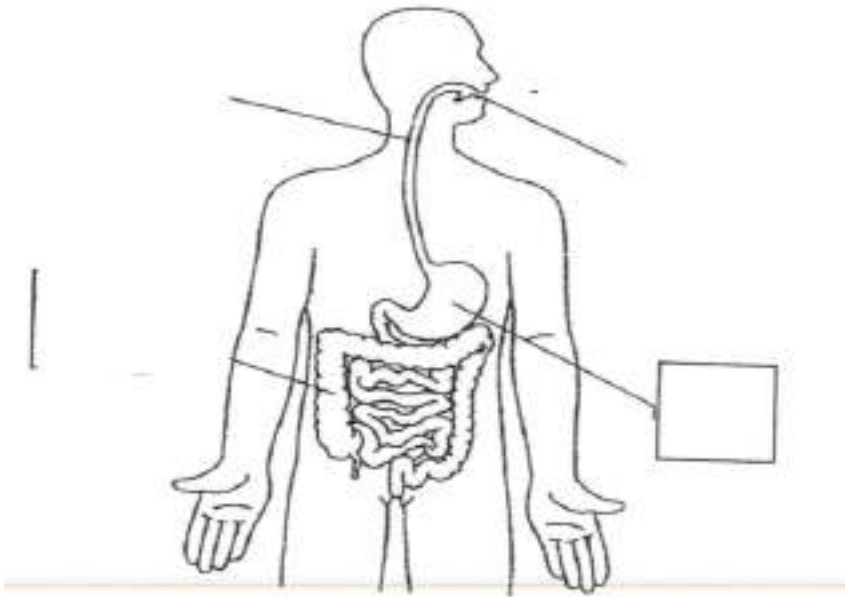
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 43

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts



- A) P
- B) Q
- ✓ C) R
- D) S
- E) T

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,089

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)

Question 44

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Mel made a statement below:
 "There are two parts in the human digestive system that carries out digestion"
 Explain why Mel's statement is incorrect.

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,118

Correctly answered feedback

The mouth, stomach and small intestine all carry out digestion, so there are three parts in the human digestive system that carries out digestion.

Incorrectly answered feedback

The mouth, stomach and small intestine all carry out digestion, so there are three parts in the human digestive system that carries out digestion.

[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

[Remove From Test](#)

Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Nurul had two similar sheets, Y and Z, made of the same material. She placed the sheets on a heater as shown below.



At the start, sheets Y and Z were of the same length. After 20 minutes, sheet Z became longer than sheet Y.

(a) Explain why sheet Z became longer than sheet Y.

[1]

Question Type: Essay
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,135,131

Correctly answered feedback

Sheet Z gained more heat than sheet Y as it was closer to the heater, so it expanded more than sheet Y and become longer than sheet Y

Incorrectly answered feedback

Sheet Z gained more heat than sheet Y as it was closer to the heater, so it expanded more than sheet Y and become longer than sheet Y

[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Study the scenarios below. Write down your explanation why the tiles at location P cracked but not the tiles at location Q.

Location	P	Q
Before 10 hours of high heat	<p>Diagram showing a 2x3 grid of tiles. One tile is labeled 'tile'.</p>	<p>Diagram showing a 2x3 grid of tiles with gaps between them. One gap is labeled 'gap' and one tile is labeled 'tile'.</p>
After 10 hours of high heat	<p>Diagram showing a 2x3 grid of tiles with several jagged lines representing cracks. One crack is labeled 'cracks'.</p>	<p>Diagram showing a 2x3 grid of tiles with no cracks.</p>

(b) Explain why tiles at Q did not crack unlike tiles at P

[2]

Question Type: Essay

Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,135,142

Correctly answered feedback

The tiles at Q had gaps between each tile for expansion when the tiles gained heat and expand on a hot day. However at P, there is no gaps for the tiles to expand so the tiles at P cracked.

Incorrectly answered feedback

The tiles at Q had gaps between each tile for expansion when the tiles gained heat and expand on a hot day. However at P, there is no gaps for the tiles to expand so the tiles at P cracked.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

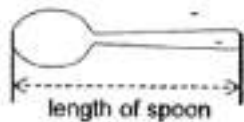
[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The length of a metal spoon was measured before placing into the refrigerator for 12 hours as shown in the diagram below.



(c) Do you think the length of the spoon will be shorter, longer or the same after 12 hours in the refrigerator? Explain why. [1]

Question Type: Essay
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,135,160

Correctly answered feedback

The length of the spoon will become shorter. The spoon will lose heat to the surrounding air in the refrigerator and contract, causing the spoon length to be shorter.

Incorrectly answered feedback

The length of the spoon will become shorter. The spoon will lose heat to the surrounding air in the refrigerator and contract, causing the spoon length to be shorter.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Tom has a glass cup with thick walls as shown below.



glass cup

(a) Tom pours some hot tea into the glass cup. He touches the outer side of the cup with his hand and it feels warmer with time. Explain why. [1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,176

Correctly answered feedback

The glass cup gained heat from the hot tea. The heat is then lost to Tom's hand. Hence, Tom's hand will feel warmer with time.

Incorrectly answered feedback

The glass cup gained heat from the hot tea. The heat is then lost to Tom's hand. Hence, Tom's hand will feel warmer with time.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 49

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Tom places a plastic lid over the glass cup as shown in the diagram below.



glass cup

(b) Explain how the plastic lid helps to keep the tea warm for a longer period of time. [1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,186

Correctly answered feedback

It slows down hot tea from losing heat to the surrounding, as plastic is a poor conductor of heat.

Incorrectly answered feedback

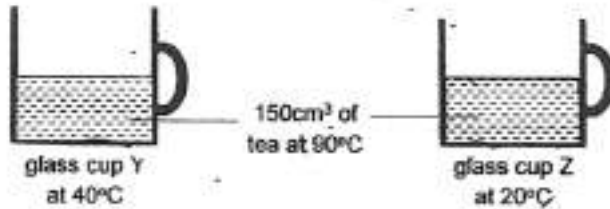
It slows down hot tea from losing heat to the surrounding, as plastic is a poor conductor of heat.

Question 50

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows two similar glass cups at different temperatures after 150 cm³ of tea at 90°C was poured into them at the same time.



(c) Which cup of tea will remain warm longer? Explain why.

[1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,197

Correctly answered feedback

Glass cup Y. Cup Y has a warmer temperature than glass cup Z, so the hot tea will not lose heat to the cup quickly

Incorrectly answered feedback

Glass cup Y. Cup Y has a warmer temperature than glass cup Z, so the hot tea will not lose heat to the cup quickly

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Air is a poor conductor of heat. Tom poured hot tea into a double-walled glass cup with air between the walls.



(d) Tom is able to hold the cup containing hot tea without burning his hand. Explain why he is able to do so.

[1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,213

Correctly answered feedback

The cup has double walls and would not gain heat from the hot tea quickly as the air between the inner and outer wall is a poor conductor of heat.

Incorrectly answered feedback

The cup has double walls and would not gain heat from the hot tea quickly as the air between the inner and outer wall is a poor conductor of heat.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Shaun wants to make a mirror. He needs to place three materials as shown in the diagram below.



Shaun has conducted an experiment to find out the amount of light that can pass through the type of glasses, A, B and C. The table below shows his results.

Glass	Amount of light that can pass through the glass (units)
A	1250
B	2500
C	1000

(a) Based on the results, which glass, A, B or C, is most suitable for making the glass layer of the mirror as shown above? Explain your choice [1]

Question Type: Essay
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,135,225

Correctly answered feedback

Glass B, it is the most transparent thus more light will be reflected for a clearer image.

Incorrectly answered feedback

Glass B, it is the most transparent thus more light will be reflected for a clearer image.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

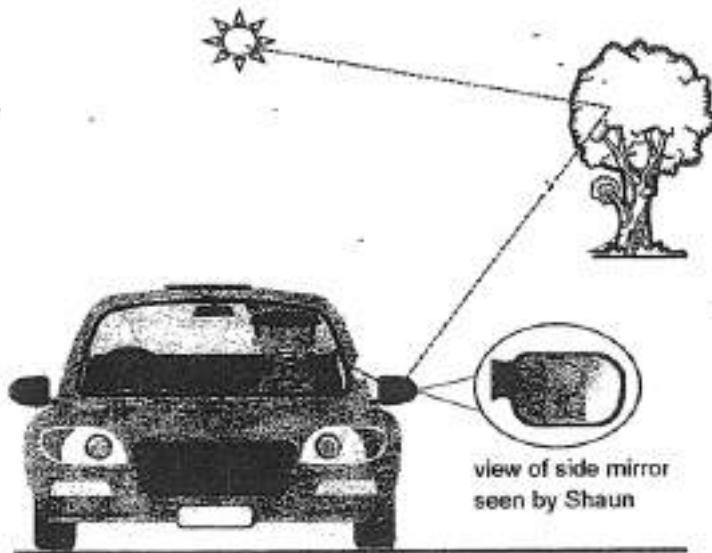
[Remove From Test](#)

Question 53

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

As Shaun drives his car on the road, he is able to see the tree behind using the side mirrors of the car.

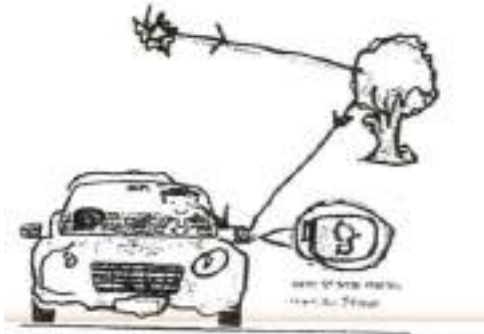


(b) Draw the arrow(s) (\longrightarrow) on the three dotted lines in the diagram above to show the path of light. [1]

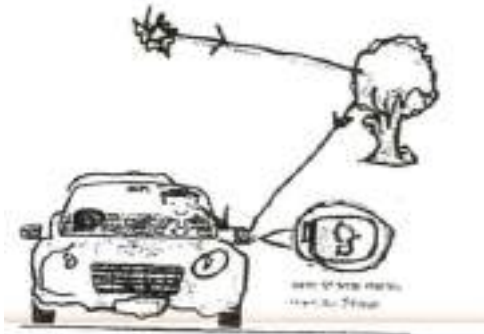
Please type "done" to proceed to the next question

Question Type: Essay
 Date Added: Mon 30th Nov 2020
 Last Modified: N/A
 QID#: 25,135,233

Correctly answered feedback



Incorrectly answered feedback



Question 54

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Using the diagram shown above, complete the explanation below on how Shaun can see the tree in his side mirror. (You may use more than one word for each blank)

___ from the sun is ___ from the tree to the side mirror then into ___

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,251

Correctly answered feedback

Light from the sun is reflected from the tree to the side mirror then into Shaun's eyes

Incorrectly answered feedback

Light from the sun is reflected from the tree to the side mirror then into Shaun's eyes

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 55

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Give one property of light needed for Shaun to see the tree using his side mirrors.

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,254

Correctly answered feedback

Light travels in a straight line

Incorrectly answered feedback

Light travels in a straight line

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

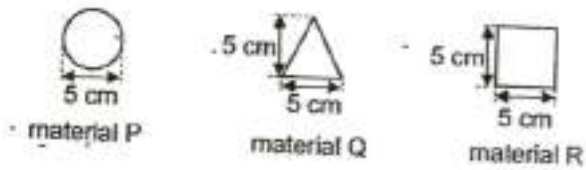
[Remove From Test](#)

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

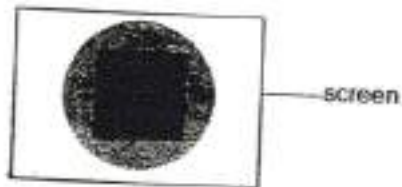
Minghan conducted an experiment using three different materials cut into different shapes, P, Q and R. One of the materials allows some light to pass through while the other two do not allow light to pass through.



P, Q and R were placed at positions, 1, 2 and 3, in a line, away from the torch. The experiment was conducted in a dark room.



The diagram below shows what was seen on the screen.



(a) Based on the result above, fill in the blanks with 1, 2 and 3 to show where materials P, Q and R, had been placed.

111

Clue	Match
P	1
Q	3
R	2

Question Type: Matching

Grade style: Full points if all answers are correct

Shuffle Mode: Shuffle Matches Only

Date Added: Mon 30th Nov 2020

Last Modified: N/A

QID#: 25,135,265

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

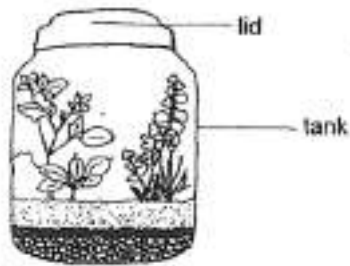
[Remove From Test](#)

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows a tank with a lid and some plants in it.



(b) Material P is more suitable than material Q and R to make the tank and its lid so that the plants can grow. Explain why. [1]

Question Type: Essay
Date Added: Mon 30th Nov 2020
Last Modified: N/A
QID#: 25,135,320

Correctly answered feedback

Material P was made of a translucent material, so the leaves of the plant could receive sunlight to make for the plant.

Incorrectly answered feedback

Material P was made of a translucent material, so the leaves of the plant could receive sunlight to make for the plant.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)