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 **Primary 4 - Term 4 Science (Rosyth)** 
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63 Questions (77 Points)Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

Question 1

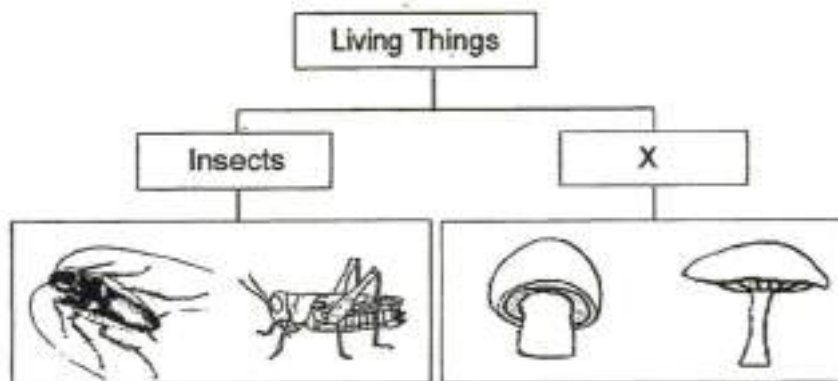
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Booklet A (28 x 2 marks)

For each question from 1 to 28, four options are given. One of them is the correct answer.

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



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

- A) fish
- ✓ B) fungi
- C) bacteria
- D) mammals

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,475

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Question 2

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the order of some organs in a human digestive system.



What is the missing part in the box above?

- A) anus
- B) gullet
- C) mouth
- ✓ D) small intestine

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,546

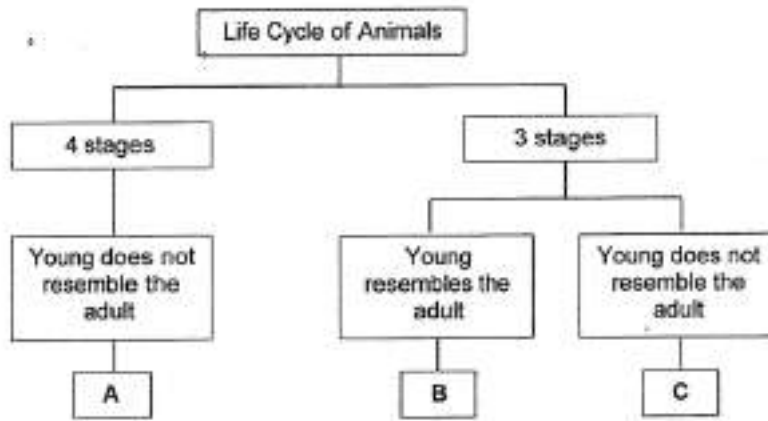
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Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the classification chart below.



Which one of the following represents A, B and C?

	A	B	C
(1)	chicken	butterfly	frog
(2)	butterfly	chicken	frog
(3)	butterfly	frog	chicken
(4)	frog	chicken	butterfly

- A) 1
 ✓ B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,552

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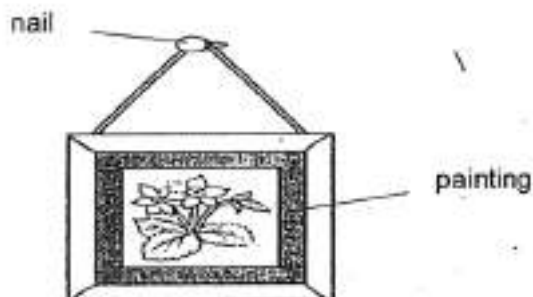
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Question 4

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram shows a painting hanging on a wall.



Iron is used to make the nail because iron is _____.

- A) shiny
- ✓ B) strong
- C) flexible
- D) waterproof

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,555

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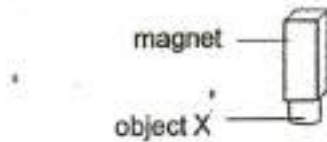
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Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

An object X was attracted to a magnet, as shown in the figure below.



Object X is made of _____

- ✓ A) iron
- B) wood
- C) rubber
- D) plastic

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,562

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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Matter is anything that has mass and occupies space.
Which one of the following is not matter?

- A) air
- ✓ B) light
- C) sand
- D) water

Question Type: Multiple Choice
Randomize Answers: No

Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,563

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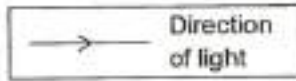
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Question 7

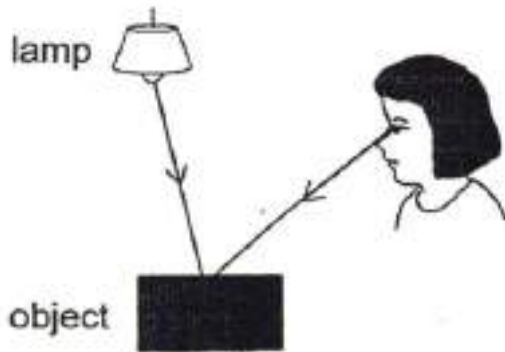
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

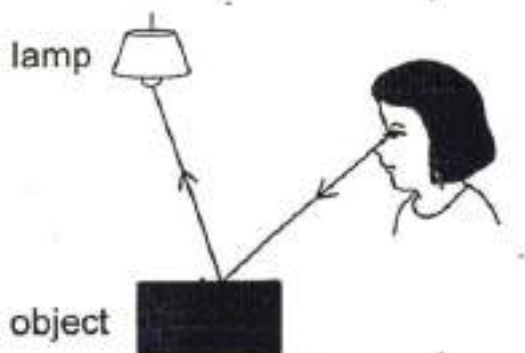
Which of the following shows how a person can see the object under the light?



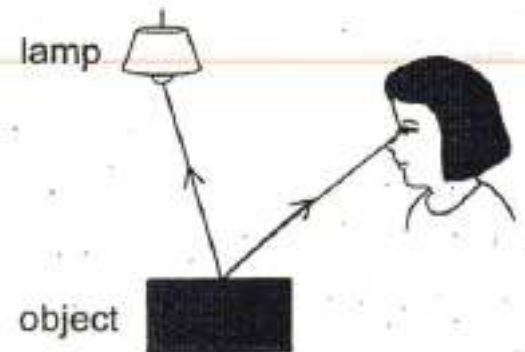
A)



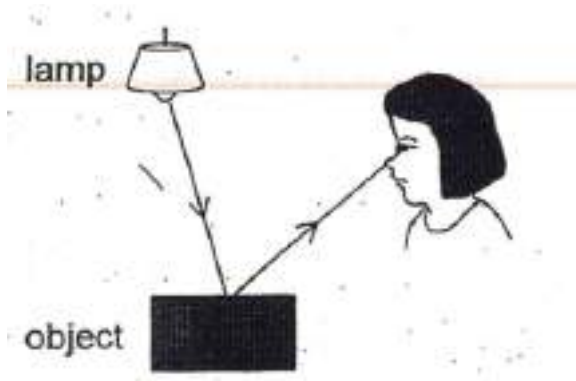
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,576

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Question 8

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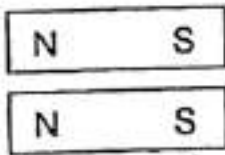
2 pts

In which one of the following will the two magnets move towards each other? \$

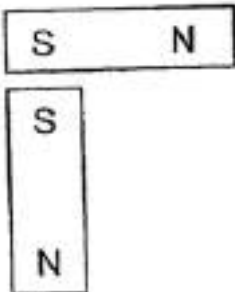
A)



B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,593

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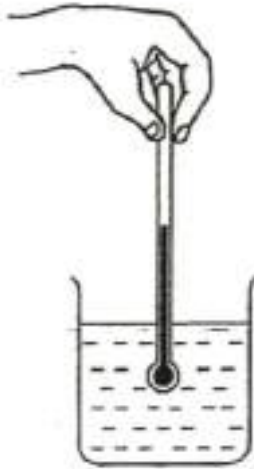
Question 9

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Liyana wants to measure the temperature of hot water in a beaker.
Which one of the following diagrams shows the correct position of the thermometer when taking the temperature reading?

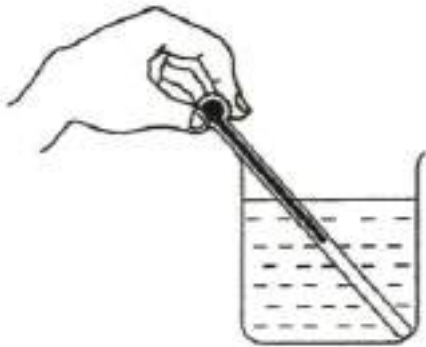
✓ A)



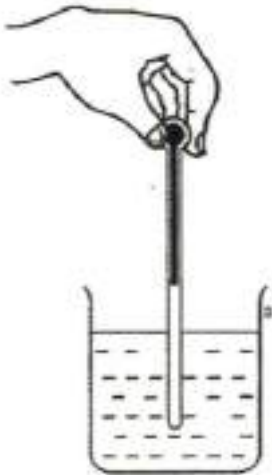
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,613

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Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Akmal boiled some water in the pot shown below.



He is able to hold the pot of boiling water using the plastic handles.

This is because plastic is a _____

- A) light material
- B) flexible material
- ✓ C) poor conductor of heat
- D) good conductor of heat

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,626

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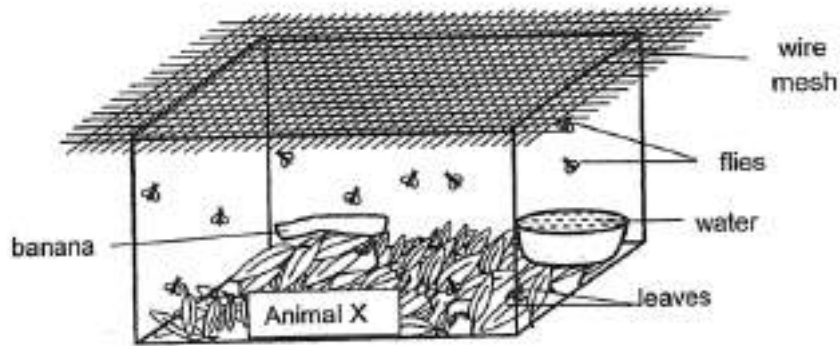
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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Grace put Animal X, in a tank with some water, leaves and some flies. She covered the tank with some wire mesh to prevent the flies from flying away. She placed a banana for the flies to feed on.



She recorded the amount of leaves and the number of flies left in the tank for the next 6 hours as shown in the table below.

	Amount of leaves (in grams)	Number of flies
Start	80	12
After 2 hours	65	9
After 4 hours	40	7
After 6 hours	26	4

What can you conclude about the eating habit of Animal X?

- A) It eats flies only
- B) It eats leaves only
- ✓ C) It eats both flies and leaves
- D) It does not eat both flies and leaves

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 13th Jan 2021
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 QID#: 25,848,635

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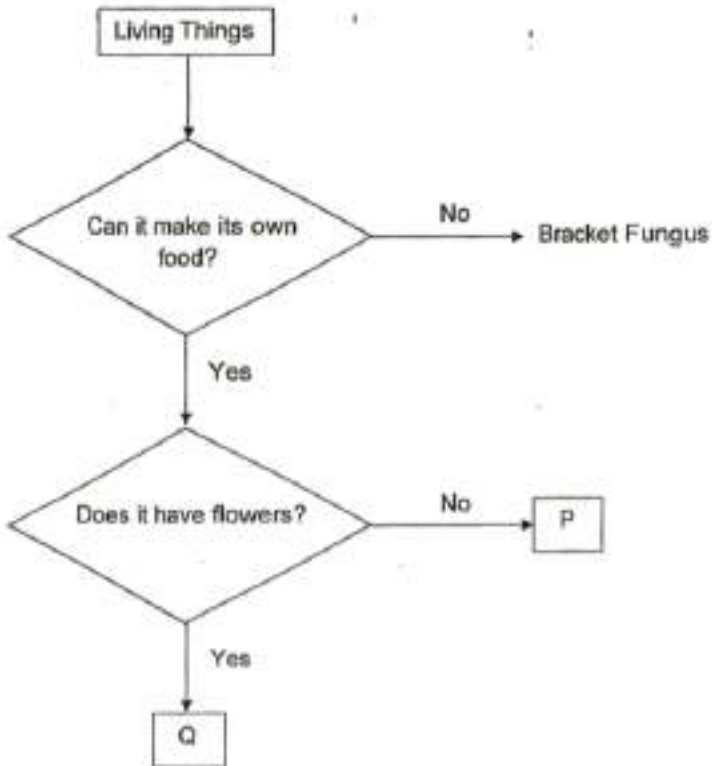
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Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the flowchart below.



Which of the following statement best describes P and Q?

	P	Q
(1)	P is not a plant.	Q is a plant.
(2)	P bears fruit.	Q does not bear fruit.
(3)	P does not need sunlight.	Q needs sunlight.
(4)	P is a non-flowering plant.	Q is a flowering plant.

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,639

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Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the statements below best describes the human body?

- A) It is made up of one organ system that carries out a single function

- B) It is made up of one organ system that carries out different functions
- ✓ C) It is made up of many organ systems that carry out different functions
- D) It is made up of many organ systems that carry out the same function

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,643

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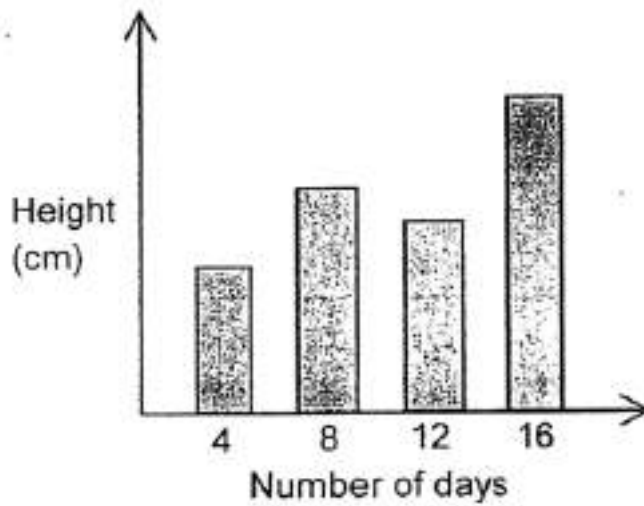
Question 14

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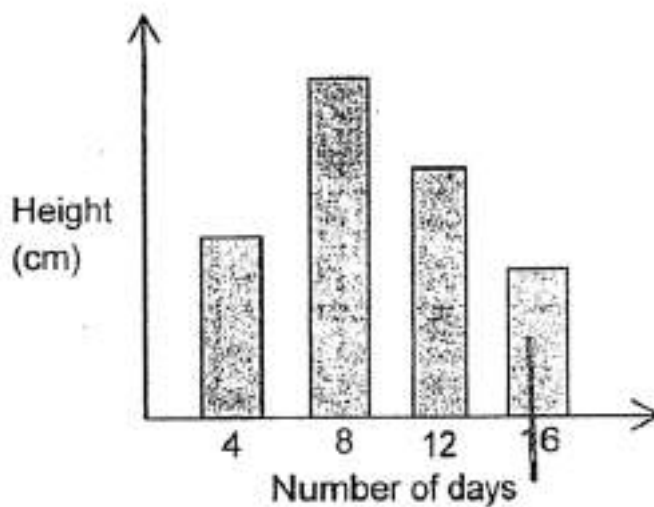
2 pts

Bala grew some green beans in a cup and placed it near the window. He watered the seedling daily. He then measured the height of the seedlings every four days. Which one of the following graphs best represents the height of the seedlings over 16 days?

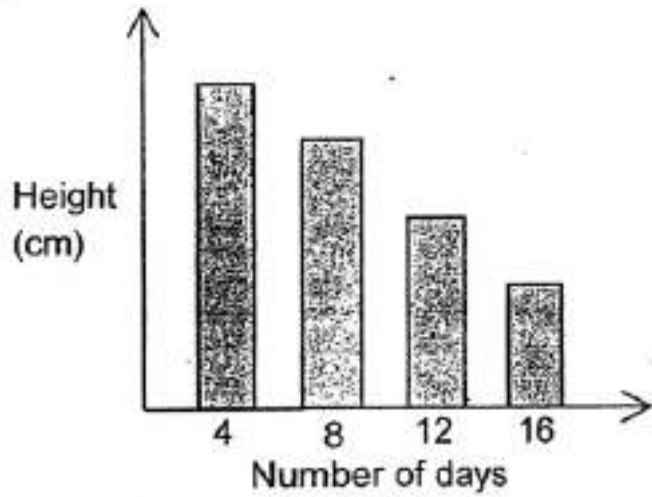
A)



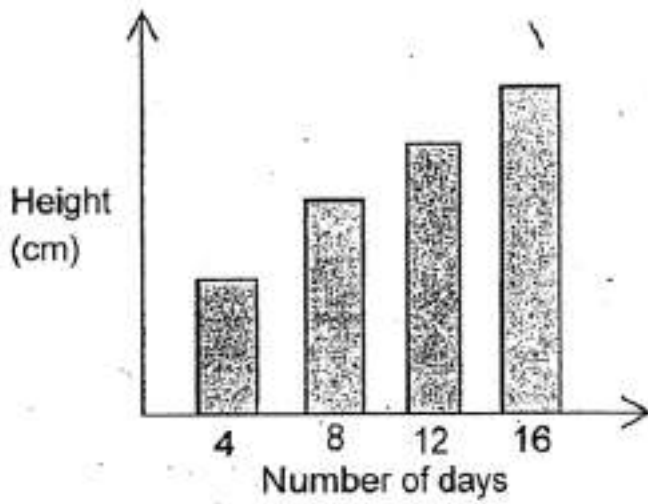
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,665

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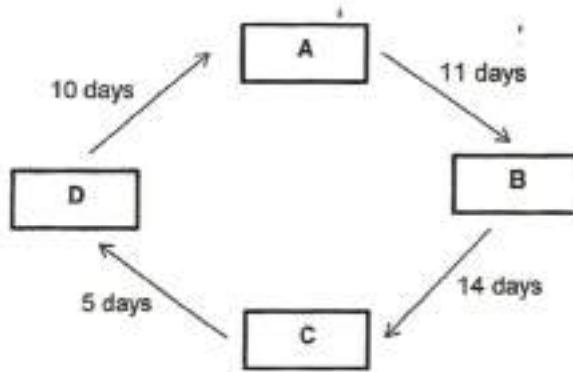
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Question 15

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below represents the stages, A, B, C and D, of the life cycle of a special type of butterfly.



B represents the stage where the butterfly is able to reproduce.

At which stage would there be a lot of eating and shedding of skin to grow bigger?

- A) A
- B) B
- C) C
- ✓ D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,668

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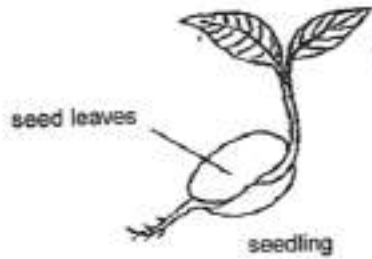
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Question 16

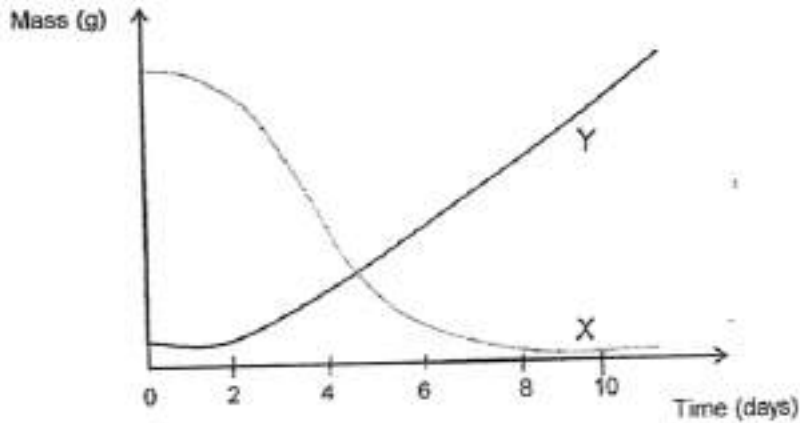
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Alexander set up an experiment on the germination of a seedling.



He measured the mass of the seed leaves and seedling and the results are shown in the graph below. One showed the change in the mass of the seed leaves while the other showed the change in the mass of the seedling.



Which of the following statements describe the correct explanation for line X or Y?

	Line	Reason
(1)	X	The seedling makes its own food.
(2)	X	The seedling obtains its food from the seed leaves.
(3)	Y	The seed leaves makes its own food.
(4)	Y	The seed leaves obtains its food from the seedling.

- A) 1
 ✓ B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,677

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Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Johan prepared four set-ups P, Q, R and S, as shown in the table below.

Set-up	P	Q	R	S
Variables				
Number of green bean seeds	5	5	10	5
Amount of water added to the seeds everyday (cm ³)	100	100	100	0
Location where the set-up is placed	garden	freezer	garden	garden

Johan selected the following set-ups for each of the following experiment.

Which one of the following set-ups and aims of the experiment is matched correctly?

	Set-up	Aim of Experiment
(1)	P and Q	To find out if light is needed for germination
(2)	Q and R	To find out if the number of seeds affects germination
(3)	P and S	To find out if water is needed for germination
(4)	R and S	To find out if water is needed for germination

- A) 1
 B) 2
 ✓ C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,682

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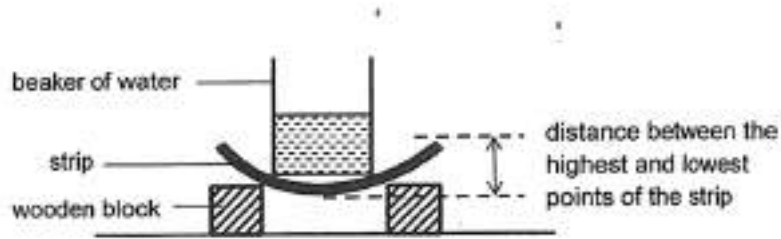
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Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Farah set up an experiment as shown below to investigate a property of three strips, K, L and M, which were made of different materials.



She placed the beaker on each strip. She then added different amounts of water into the beaker until the distance between the highest and lowest points of the strip reached 2 cm.

She recorded her results in the table below.

Amount of Water in Beaker (ml)		
K	L	M
80	40	120

Based on the results, arrange the materials based on their flexibility, from the most flexible to the least flexible?

- A) M, K, L
- B) M, L, K
- C) K, L, M
- ✓ D) L, K, M

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 13th Jan 2021
 Last Modified: N/A
 QID#: 25,848,689

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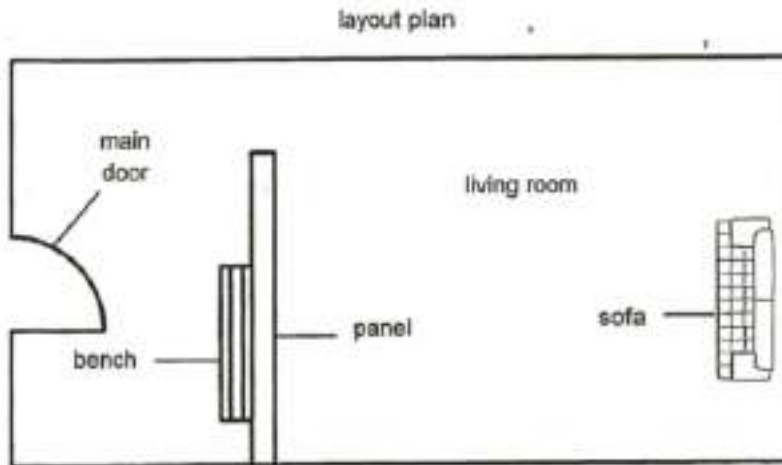
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Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Aiman wanted to make a wall panel in his living room. The diagram below is the layout plan for his living room.



He told his contractor the following conditions:

- A: the sofa must not be seen clearly from the main door through the panel
 B: a person can lean on the panel while sitting on the bench

Based on the information given above, which of the following properties should the panel have?

Properties of Materials to make the Wall Panel					
	Fragile	Strong	Most light can pass through	No light can pass through	Some light can pass through
(1)	✓			✓	
(2)		✓			✓
(3)		✓	✓		
(4)	✓				✓

- A) 1
 ✓ B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,710

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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Damian placed a metal container between a torch and a screen. There was a heart painted on one side of the container.



He turns the metal container at different angles to face the torch. Which of the following shadows would **not** be cast on the screen?

✓ A)



B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,717

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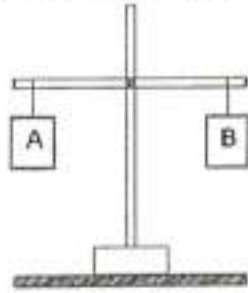
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Question 21

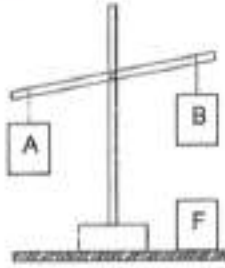
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows a balance with two objects, A and B hung at both ends. Objects A and B balance each other.



When object F is placed directly below object B, the balance tilted, as shown in the diagram below.



Based on the observations in both diagrams, what could be objects B and F?

	Object B	Object F
(1)	magnet	magnet
(2)	magnet	steel block
(3)	glass block	steel block
(4)	glass block	magnet

- ✓ A) 1
B) 2
C) 3
D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,723

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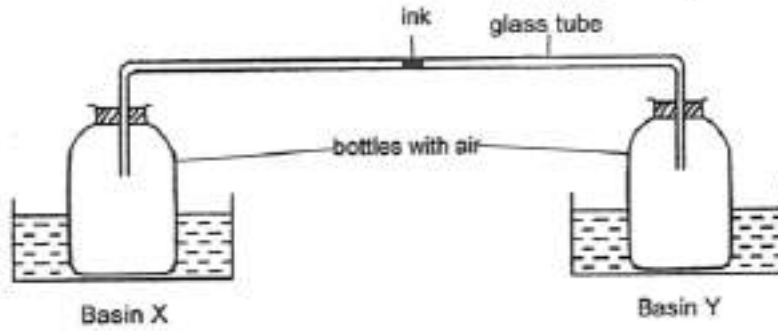
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Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Andy connected two identical bottles using a glass tube which contained a drop of ink. He placed one bottle in basin X and the other bottle in basin Y as shown in the diagram below. Basins X and Y contain equal amounts of water at different temperatures.



Which of the following shows the most likely result?

	Temperature of water ($^{\circ}\text{C}$)		Direction of movement of ink
	Basin X	Basin Y	
(1)	20	80	→
(2)	80	20	→
(3)	80	40	←
(4)	40	20	←

- A) 1
 ✓ B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 13th Jan 2021
 Last Modified: N/A
 QID#: 25,848,724

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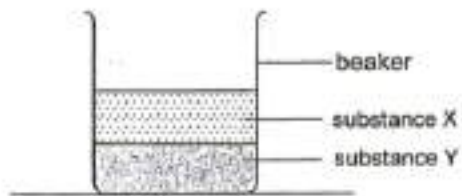
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Question 23

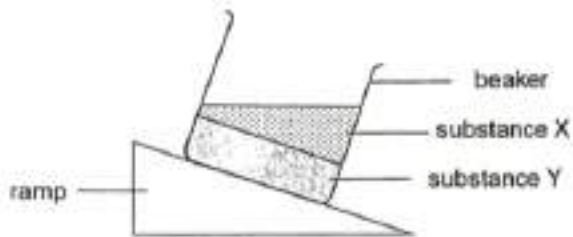
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows a beaker filled with two substances, X and Y.



The beaker was then put on a ramp, as shown below.



Which states of matter do you think substances X and Y are in?

	X	Y
(1)	liquid	solid
(2)	solid	liquid
(3)	gas	solid
(4)	gas	liquid

- ✓ A) 1
 B) 2
 C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,734

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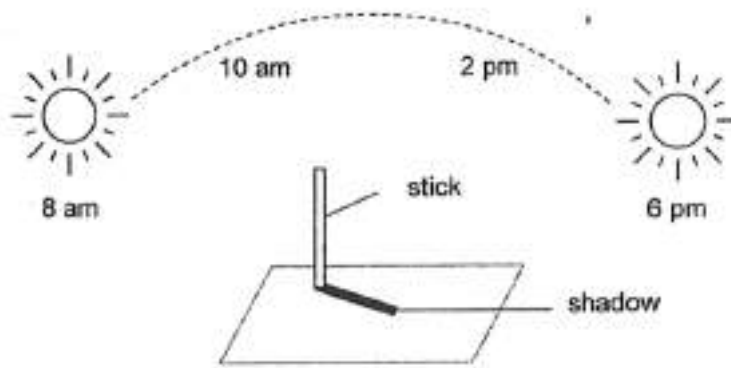
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Question 24

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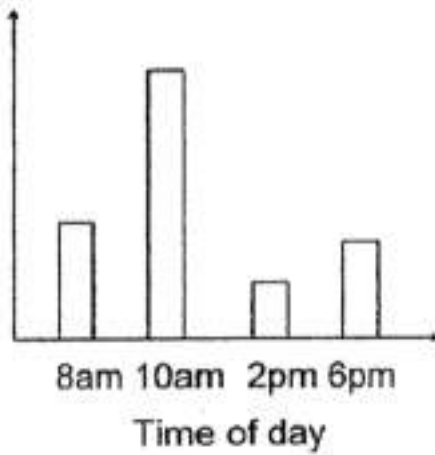
2 pts

Stephanie placed a wooden stick on the ground, as shown below. She measured the length of the shadow at 8am, 10 am, 2pm and 6pm.

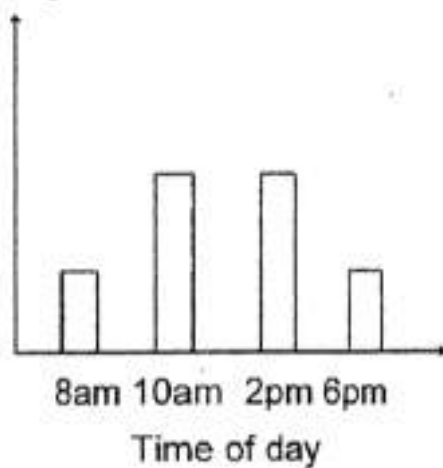


Which of the following graphs best represents the length of the shadow formed by the stick at different times of the day?

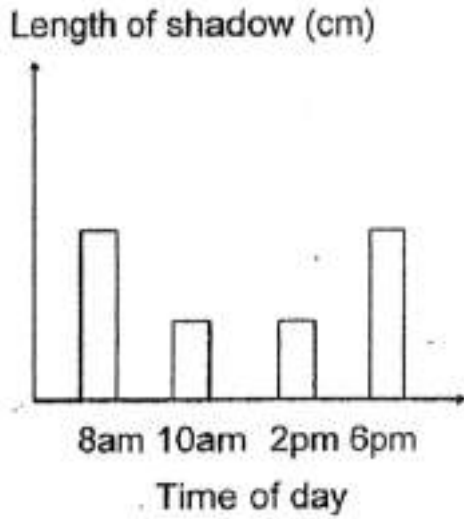
A) Length of shadow (cm)



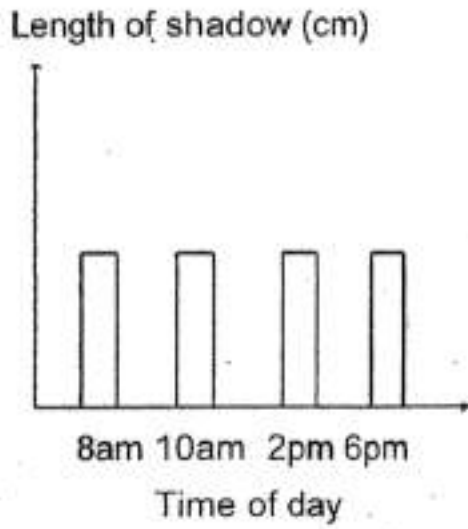
B) Length of shadow (cm)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
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QID#: 25,848,742

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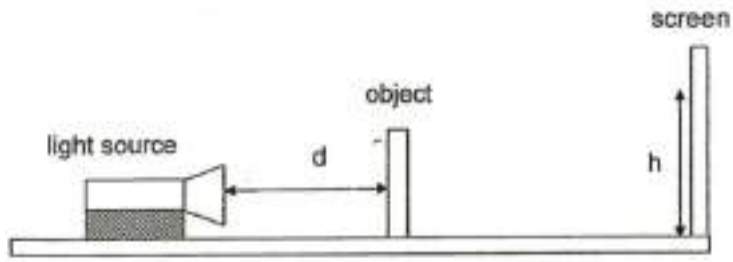
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Question 25

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Jessica carried out an experiment as shown below to find out how the distance between the light source and an object could affect the height of its shadow on a screen.



She recorded her results as shown in the table below.

Distance (d) between the light source and the object (cm)	10	20	30	40
Height (h) of the shadow cast on the screen (cm)	35	21	16	10

Based on Jessica's experiment, the height of the shadow is

- A) shorter when the light source is nearer the object
- B) unchanged when the light source is nearer the object
- C) taller when the light source is further away from the object
- ✓ D) shorter when the light source is further away from the object

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Wed 13th Jan 2021
 Last Modified: N/A
 QID#: 25,848,752

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

[Remove From Test](#)

Question 26

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Mariah placed an ice cube each on two boards made of different material X and Y as shown below. Mariah wanted to find out which ice cube would take a longer time to melt completely.



Which one of the following was changed for her investigation?

- A) The size of ice cubes
- B) The number of ice cubes
- ✓ C) The material of the boards
- D) The location of the set-ups

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,758

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

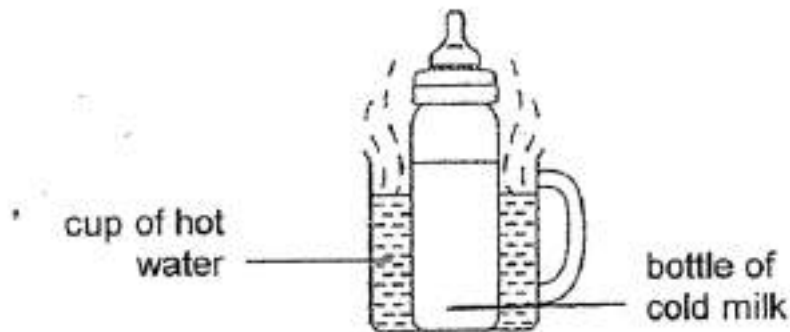
[Remove From Test](#)

Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A bottle of cold milk was placed in a cup of hot water.



Which of the following statements is true?

- A) The cold milk loses heat to the hot water
- B) The temperature of the cold milk decreases
- ✓ C) The temperature of the hot water decreases
- D) The hot water gains heat from the surrounding

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,765

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

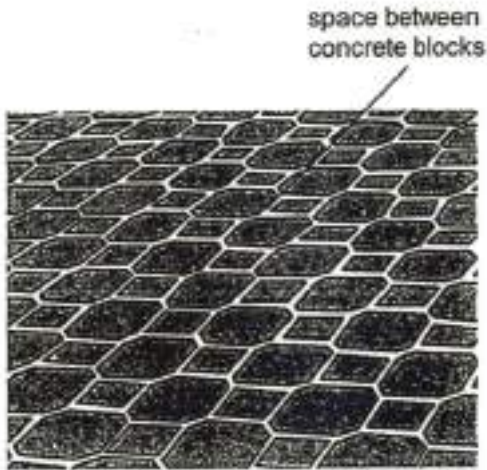
[Remove From Test](#)

Question 28

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Walking pavements that we see on the street are often covered with concrete blocks with spaces as shown in the diagram below.



Which one of the following correctly explains why there are spaces between the concrete blocks?

- ✓ A) To allow the blocks to expand on hot days
- B) To allow the blocks to contract on cold days
- C) To allow dirt to be removed easily from the pavement
- D) To allow plants to grow in the spaces between the blocks

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,848,776

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

[Remove From Test](#)

Question 29

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

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.

Study the diagram below.



State the needs of the caterpillar to stay alive.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,171

Correctly answered feedback

It needs air, food and water to stay alive.

Incorrectly answered feedback

It needs air, food and water to stay alive.

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

[Remove From Test](#)

Question 30

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The caterpillar become bigger after some time. What is the characteristic of living things shown by the caterpillar?

Question Type: Essay

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,174

Correctly answered feedback

Living things grow

Incorrectly answered feedback

Living things grow

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

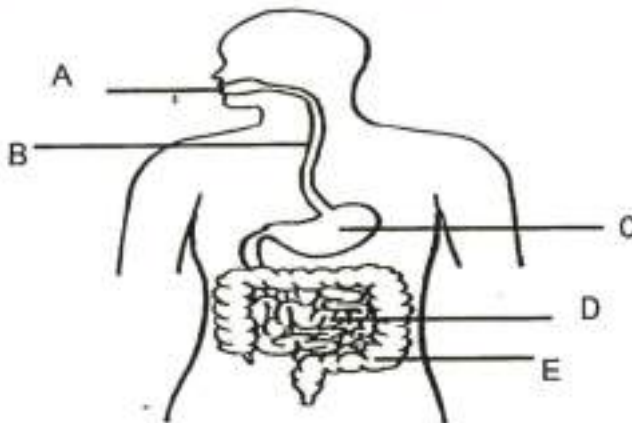
[Remove From Test](#)

Question 31

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows the human digestive system.



In which part (A, B, C, D or E) does digestion first takes place?

- ✓ A) A
- B) B
- C) C
- D) D
- E) E

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,177

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

[Remove From Test](#)

Question 32

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

In which part is most digested food absorbed into the bloodstream?

- A) A
- B) B
- C) C
- ✓ D) D
- E) E

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,184

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

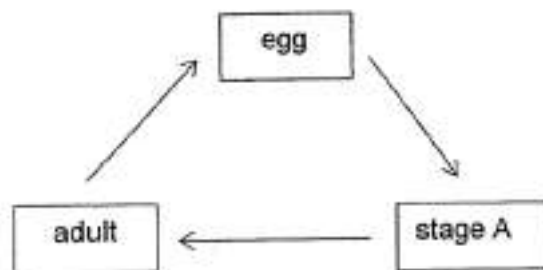
[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

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



Name stage A.

stage A : _____

Accepted answers:

- ✓ nymph

Question Type: Free Text
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,190

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

[Remove From Test](#)

Question 34

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Which animal has a similar life cycle as the cockroach

- ✓ A) grasshopper
- B) butterfly
- C) mealworm beetle

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,193

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

[Remove From Test](#)

Question 35

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows a magnifying glass.



Part X is made of glass because it allows _____ to pass through so that the person can see the magnified object.

Accepted answers:

- ✓ light

Question Type: Free Text
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,194

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

[Remove From Test](#)

Question 36

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Part Y is made of ____ because Y has to be strong.

Accepted answers:

✓ metal

Question Type: Free Text

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,198

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

[Remove From Test](#)

Question 37

Primary 4 Science » Primary 4 Science (Term 4)

3 pts

Match the options below:

Clue

Match

Alex pours milk from a bottle onto a table as shown below. liquid



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

This shows that milk is a _____.

Points: +1 -0

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



The shape and volume of the marbles remain the same.

This shows that a marble is a _____.

Points: +1 -0

The air in the bottle is a _____ gas

Points: +1 -0

Question Type: Matching

Shuffle Mode: Shuffle Matches Only

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,212

Question 38

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Which one of the followings can be compressed

- A) milk
 B) marble
 ✓ C) air

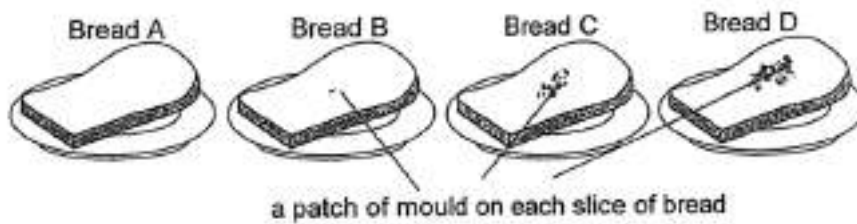
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,219

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Cheryl took four slices of bread from the same loaf. She added different amount of water on the four slices of bread, A, B, C and D. She kept all the four slices of bread in a dark room. The results are as shown in the picture and table below.



Bread	Amount of Water (Number of Droplets)	Size of Each Patch of Mould (cm)
A	0	0
B	5	1
C	10	3
D	15	6

Based on the set-ups above, identify the condition that has affected the reproduction of the mould.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,222

Correctly answered feedback

Amount of water

Incorrectly answered feedback

Amount of water

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 40**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State the relationship between the amount of water and the size of each patch of mould.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,257

Correctly answered feedback

As the amount of water increased the size of each patch of mould increased.

Incorrectly answered feedback

As the amount of water increased the size of each patch of mould increased.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 41**

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

Choose the correct variables accordingly

Location:

- A) changed
✓ B) kept the same
C) measured

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,261

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 42**

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

Type of bread:

- A) changed
✓ B) kept the same
C) measured

Question Type: Multiple Choice

Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,264

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

[Remove From Test](#)

Question 43

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

Amount of water: _____

- A) changed
- B) kept the same
- C) measured

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,268

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

[Remove From Test](#)

Question 44

Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

Size of each patch of mould:

- A) changed
- B) kept the same
- C) measured

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,270

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

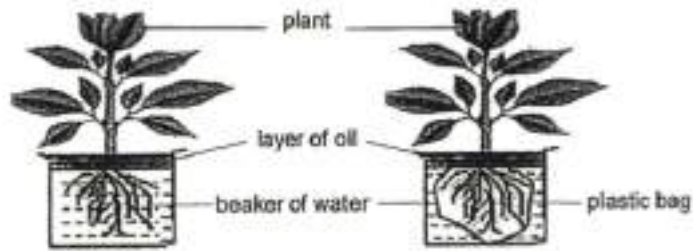
[Remove From Test](#)

Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

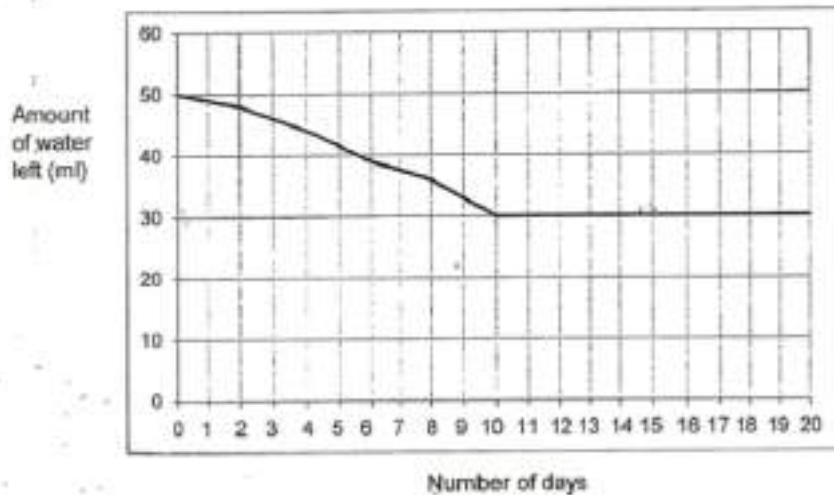
Ali placed a plant in set-up X. He put a layer of oil over the water. He then measured the amount of water left in the beaker at the end of each day. After measuring the amount of water left on Day 10, Ali covered the roots of the plant completely using a plastic bag as shown below.



set-up X from Day 0 to Day 10

set-up X from Day 11 to Day 20

The graph below shows the result of his experiment.



- (a) Based on the graph above, describe the changes in the amount of water left in the beaker from Day 1 to Day 20. [2]

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,294

Correctly answered feedback

From Day 1 to Day 10, the amount of water left decreased as the roots of the plant were absorbing water and mineral salts for the plant. However, from day 10 to day 20, the amount of water left remained the same because the plastic bag was preventing the roots of the plant from absorbing water and mineral salts for the plant.

Incorrectly answered feedback

From Day 1 to Day 10, the amount of water left decreased as the roots of the plant were absorbing water and mineral salts for the plant. However, from day 10 to day 20, the amount of water left remained the same because the plastic bag was preventing the roots of the plant from absorbing water and mineral salts for the plant.

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

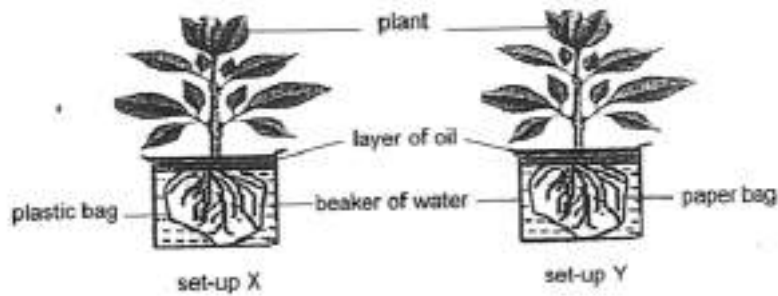
[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

All then carried out another experiment after Day 20. He covered up the roots of another similar plant using a paper bag in set-up Y. He compared set-ups X and Y for some time as shown below.



- (b) In which set up, X or Y, will the plant survive longer? Give a reason for your choice. [2]

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,305

Correctly answered feedback

Set-up Y will survive longer as set-up Y's plant's roots are covered with a paper bag which is not waterproof. Hence, set-up Y's plant's roots will be able to absorb water and mineral salts for the plant so set-up Y's plant will survive longer.

Incorrectly answered feedback

Set-up Y will survive longer as set-up Y's plant's roots are covered with a paper bag which is not waterproof. Hence, set-up Y's plant's roots will be able to absorb water and mineral salts for the plant so set-up Y's plant will survive longer.

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

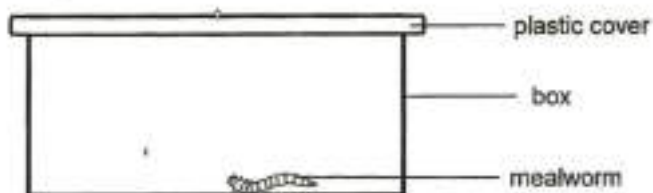
[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Bill wanted to study the growth of a mealworm. He placed a mealworm in a box covered with a plastic cover as shown below.



State two things that Bill should do to improve his set-up. [2]

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,313

Correctly answered feedback

1. He should make holes in the plastic cover
2. He should provide the mealworm with food and water

Incorrectly answered feedback

1. He should make holes in the plastic cover
2. He should provide the mealworm with food and water

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

[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

His friend told him that he should release the mealworm once it has grown into an adult. Why was it important to release the mealworm beetle?

Question Type: Essay

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,318

Correctly answered feedback

To allow the beetle to find food and reproduce

Incorrectly answered feedback

To allow the beetle to find food and reproduce

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

[Remove From Test](#)

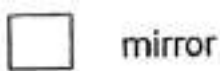
Question 49

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Choose the sources of light

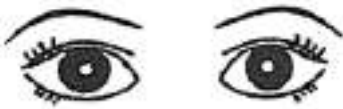
A)



✓ B)

fire

C)

 eyes

✓ D)

 lamp

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,328

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

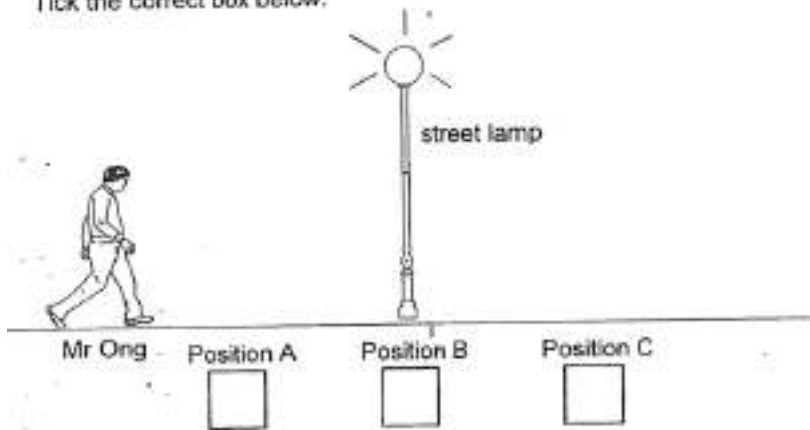
[Remove From Test](#)

Question 50

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Mr Ong walked towards a street lamp at night.
At which position should Mr Ong stand for his shadow to be the shortest?
Tick the correct box below. [1]



- A) position A
 ✓ B) position B
 C) position C

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: Wed 13th Jan 2021
QID#: 25,849,396

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

[Remove From Test](#)

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain how Mr Ong's shadow was formed.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,400

Correctly answered feedback

Light from the street lamp is blocked by Mr Ong. Hence, his shadow was formed.

Incorrectly answered feedback

Light from the street lamp is blocked by Mr Ong. Hence, his shadow was formed.

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

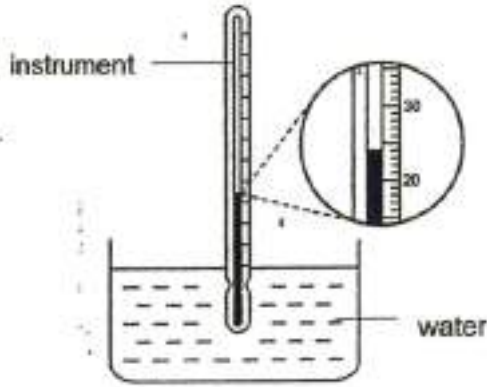
[Remove From Test](#)

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Janice used an instrument to measure the temperature of water in a tank.



What is the name of the instrument?

Accepted answers:

✓ thermometer

Question Type: Free Text
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,406

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

[Remove From Test](#)

Question 53

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

What is the temperature of the water in the tank?

_____ °C

Accepted answers:

✓ 24
✓ 24 degree celcius

Question Type: Free Text
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,410

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

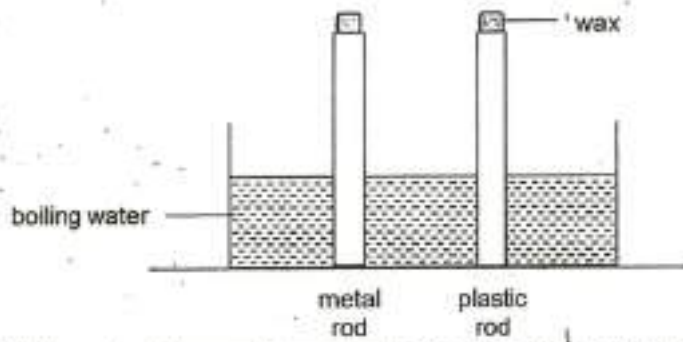
[Remove From Test](#)

Question 54

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Janice heated the tank of water. She then placed a metal rod and a plastic rod into the tank as shown below. Equal amount of wax were placed on both rods.



Which rod would cause the wax to melt faster? Explain your answer. [2]

Question Type: Essay
 Date Added: Wed 13th Jan 2021
 Last Modified: N/A
 QID#: 25,849,421

Correctly answered feedback

The metal rod would cause the wax to melt faster because metal is a good conductor of heat. This means that the metal rod will gain heat from the boiling water faster than the plastic rod, hence the metal rod's wax will melt faster than the plastic rod's wax.

Incorrectly answered feedback

The metal rod would cause the wax to melt faster because metal is a good conductor of heat. This means that the metal rod will gain heat from the boiling water faster than the plastic rod, hence the metal rod's wax will melt faster than the plastic rod's wax.

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

[Remove From Test](#)

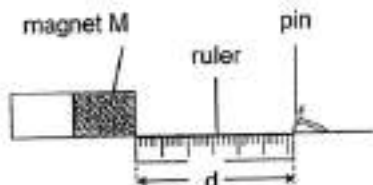
Question 55

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Match the options below:

Jacky set up an experiment as shown below. A pin was slowly pushed along the ruler towards magnet M. Jacky recorded the distance, d , at the point where the pin was attracted to the magnet. He repeated these steps with magnets N and O.



Jacky recorded his observations in the table below.

Magnet	d (cm)
M	4
N	9
O	5

Based on the results in the table, arrange the bar magnets (M, N and O) according to their strength from the weakest to the strongest. [1]

Clue	Match
Weakest	M
Medium	O
Strongest	N

Question Type: Matching

Grade style: Full points if all answers are correct

Shuffle Mode: Shuffle Matches Only

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,428

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

[Remove From Test](#)

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

What is a possible material that the pin can be made of?

Accepted answers:

✓ iron

Question Type: Free Text

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,432

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

[Remove From Test](#)

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Jacky then hammered the bar magnet M 40 times repeatedly. He then conducted the same experiment by pushing the pin slowly along the ruler towards the bar magnet M.

Will the distance d be shorter, longer or the same as 4cm?

- ✓ A) shorter
- B) longer
- C) same as 4cm

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Wed 13th Jan 2021

Last Modified: N/A

QID#: 25,849,443

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

[Remove From Test](#)

Question 58

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain why.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,451

Correctly answered feedback

The more you hammer a magnet the weaker it gets. So, if a magnet is hammered 40 times, it will be much weaker than its original state, hence, distance d will be shorter.

Incorrectly answered feedback

The more you hammer a magnet the weaker it gets. So, if a magnet is hammered 40 times, it will be much weaker than its original state, hence, distance d will be shorter.

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

[Remove From Test](#)

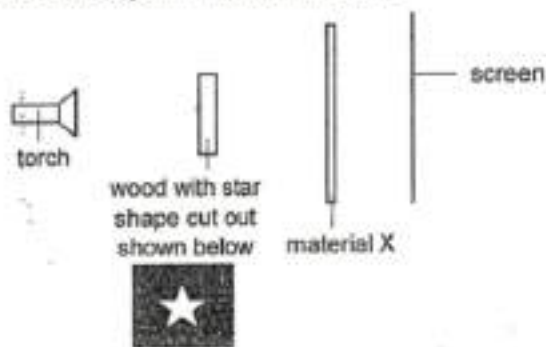
Question 59

Primary 4 Science » Primary 4 Science (Term 4)




1 pt

Rosalind wanted to find out the amount of light which can pass through two different materials X and Y.

She set up her experiment as shown in the diagram below using material X and then repeated the experiment with material Y.



She also observed the brightness of the light patch seen on the screen.

Materials used	Image on white screen
No material placed	 Bright light patch seen
X	 No light patch seen
Y	 Dim light patch seen

What would Rosalind do to make the image bigger? Tick the correct box(es) below. [1]

A) Move the torch further from the wood

- ✓ B) Move the wood nearer to the torch
- C) Move the wood to the screen

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,460

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

[Remove From Test](#)

Question 60

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Rosalind changed the torch to increase the brightness of the light. What would happen to the image formed using material Y?

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,473

Correctly answered feedback

The dim light will become a brighter light

Incorrectly answered feedback

The dim light will become a brighter light

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

[Remove From Test](#)

Question 61

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Rosalind wanted to wrap a bottle with a material so that the liquid inside cannot be seen. Which of the material, X or Y, should she use? Give a reason for your choice.

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,490

Correctly answered feedback

There was no image of the star formed on the screen.

Incorrectly answered feedback

There was no image of the star formed on the screen.

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

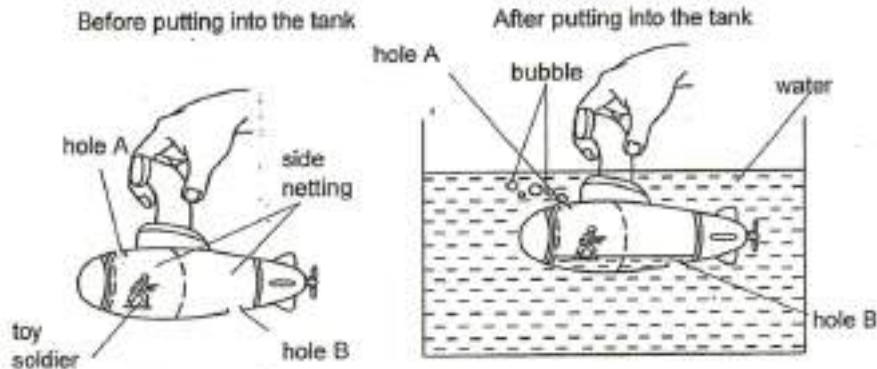
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Question 62

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

1. Ayden put a toy submarine in his tank with clear sides. There were two holes A and B on the submarine. When he pushed the submarine into a tank of water, the toy soldier floated upwards and bubbles were seen coming out from hole A.



- 1) Explain why bubbles could be seen coming out from hole A when the submarine was pushed into the water. [2]

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,510

Correctly answered feedback

The bubbles came our from hole A as the water was entering through hole B, pushing out air through hole A and occupying the space previously occupied by air

Incorrectly answered feedback

The bubbles came our from hole A as the water was entering through hole B, pushing out air through hole A and occupying the space previously occupied by air

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

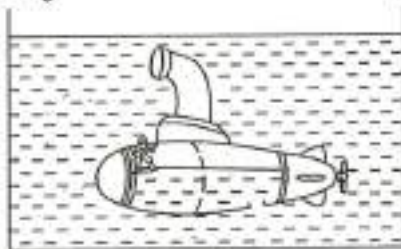
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Question 63

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

When the submarine was pushed deeper into the water, the toy soldier rose and blocked hole A completely. Ayden observed that the water level in the submarine stopped rising.



- (b) Give an explanation for Ayden's observation [2]

Question Type: Essay
Date Added: Wed 13th Jan 2021
Last Modified: N/A
QID#: 25,849,519

Correctly answered feedback

As hole A was blocked, air in the submarine is not able to escape so the water is not able to take over the space taken by the air in the submarine

Incorrectly answered feedback

As hole A was blocked, air in the submarine is not able to escape so the water is not able to take over the space taken by the air in the submarine

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