


 **Primary 4 Science (Term 4) - Rosyth (2020)** ↗ Duplicate Print Delete Assign Test**Test Introduction**[+ Add Introduction](#)**58 Questions** (80 Points)Question Bank: 19,950 Questions 

Test Questions

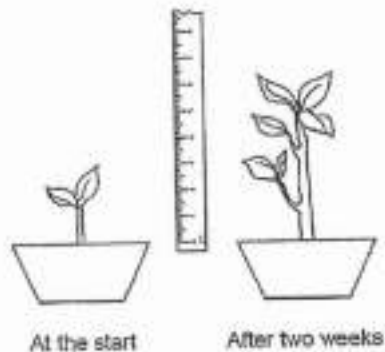
1 Test Assignment

Question 1

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Sarah found a plant in the garden and measured its height. After two weeks, she measured its height again.



From her observation, Sarah concluded that the plant is a living thing because it can _____.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,171

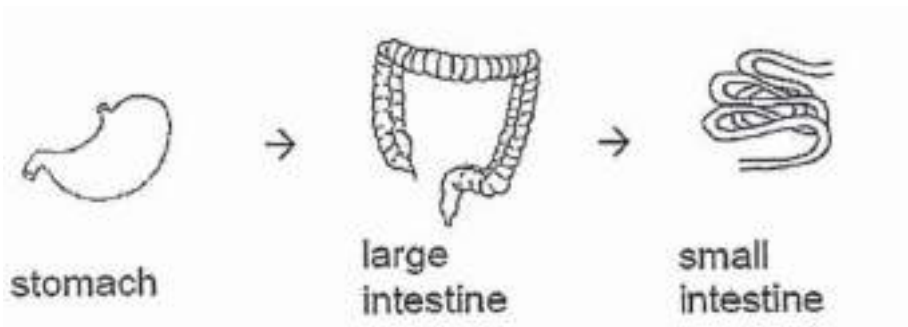
Question 2

Primary 4 Science » Primary 4 Science (Term 4)

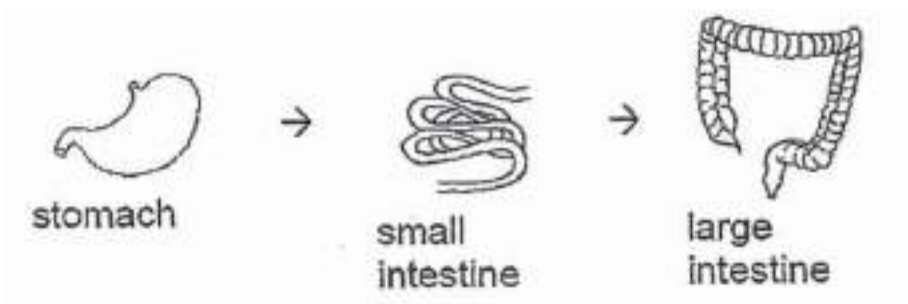
2 pts

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

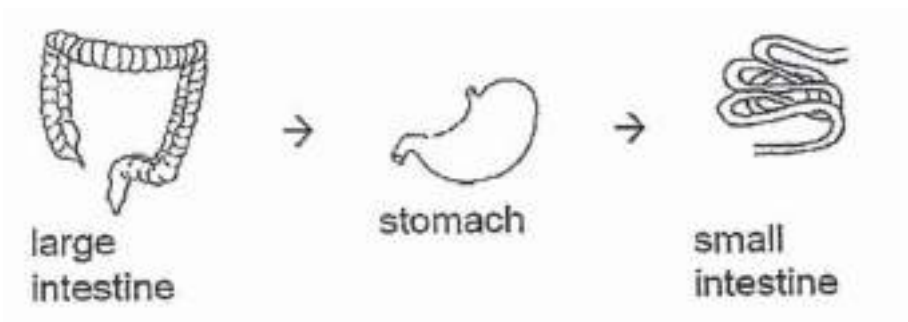
A)



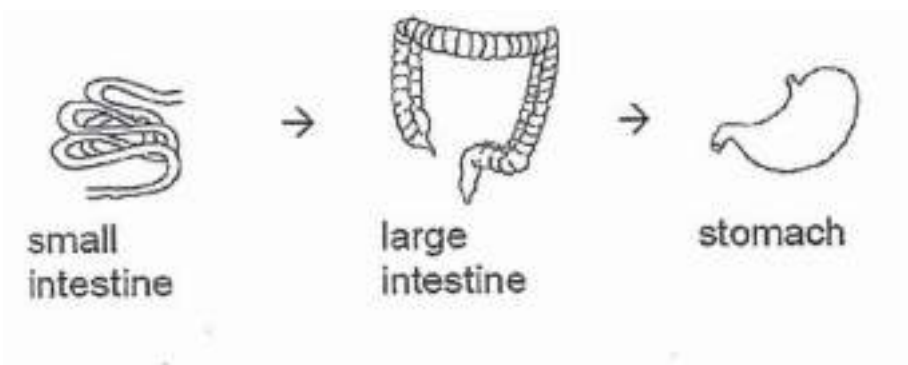
✓ B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,199

Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which animal has a pupa as a stage in its life cycle?

- ✓ A) beetle
- B) chicken
- C) cockroach
- D) grasshopper

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,202

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

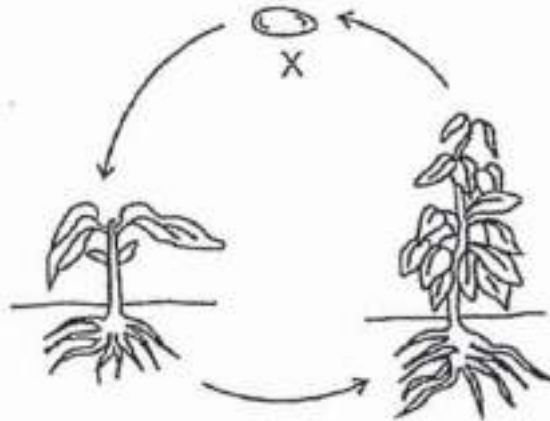
[Remove From Test](#)

Question 4

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the life cycle of a plant.



What is the stage marked X?

- A) egg
- ✓ B) seed
- C) adult plant
- D) young plant

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,209

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

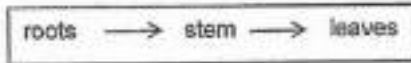
[Remove From Test](#)

Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The arrows (→) in the diagram below show the direction of movement of a substance in plants.



What is this substance?

- A) soil
- B) food
- ✓ C) water
- D) sunlight

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,214

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

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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

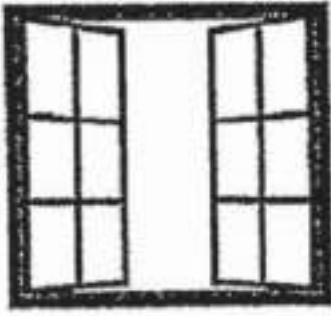
Which one of the following objects is not made of waterproof material?

- A) **metal spoon**



- B)

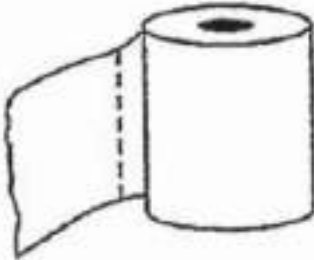
glass window



C) plastic umbrella



✓ D) toilet paper



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,228

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

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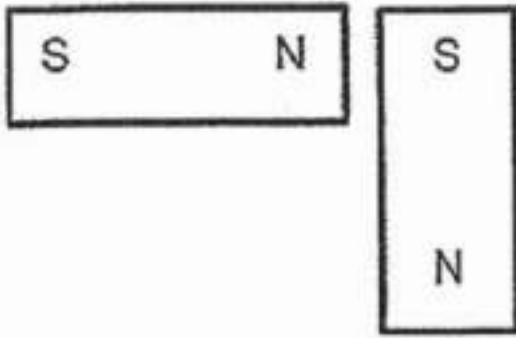
Question 7

Primary 4 Science » Primary 4 Science (Term 4)

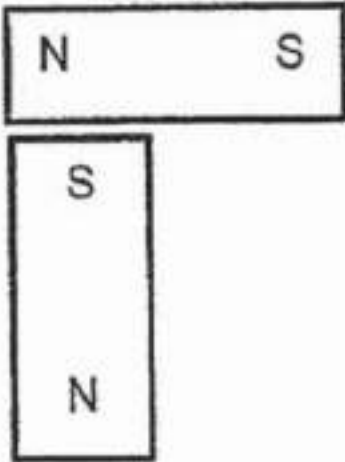
2 pts

In which one of the following will the two magnets push each other away?

A)



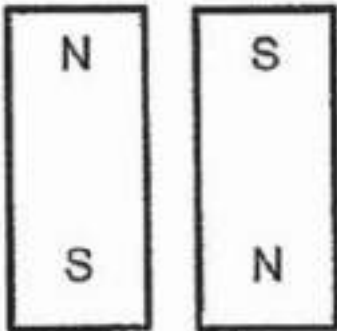
B)



✓ C)



D)



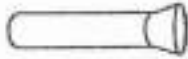
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Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,290

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Question 8

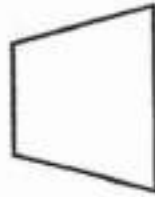
The set-up below shows light shining on a wooden block.



torch



wooden block



screen

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

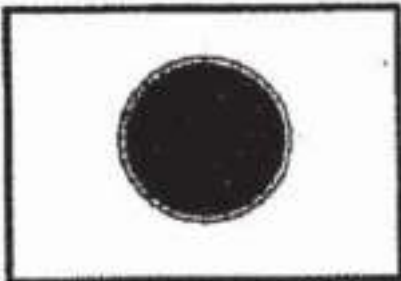
A)



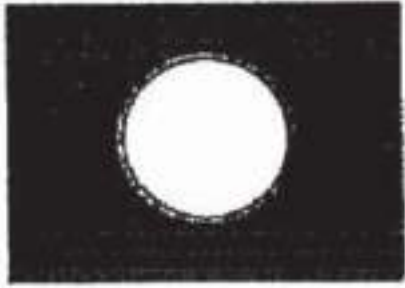
✓ B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,356

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

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Question 9

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

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

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,361

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

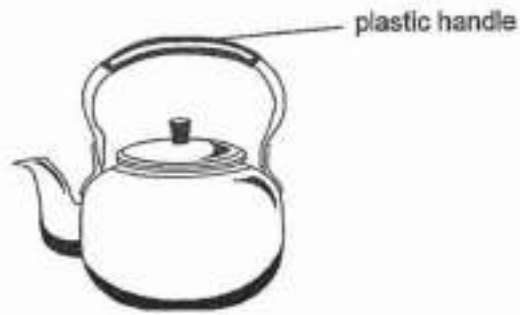
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Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Hashim boiled some water in the kettle as shown below.



He is able to hold the kettle of boiling water using the plastic handle. 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: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,369

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

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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the table below.

Characteristic of animal	W	X	Y	Z
Has hair		✓		
Lays eggs	✓		✓	✓
Has wings	✓			
Has moist skin			✓	

Which one of the following is an amphibian?

- A) W
- B) X
- ✓ C) Y
- D) Z

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,373

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

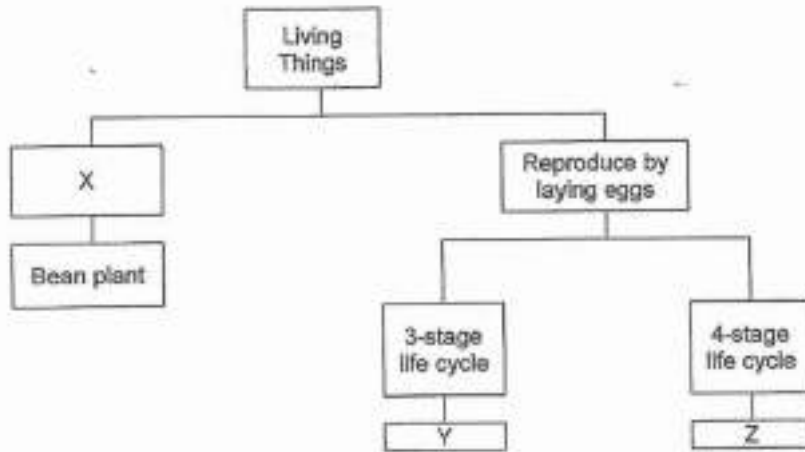
[Remove From Test](#)

Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the classification chart below.



Which of the following best describes X, Y and Z?

- A)

X	Y	Z
reproduce by seeds	frog	cockroach
- B)

X	Y	Z
reproduce by spores	butterfly	chicken
- C)

X	Y	Z
reproduce by spores	cockroach	frog
- ✓ D)

X	Y	Z
reproduce by seeds	chicken	butterfly

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,383

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

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Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

How is an adult cockroach and its young similar?

- A) They can lay eggs.
- B) They have eight legs.
- C) They have a pair of wings.
- ✓ D) They have three body parts.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,395

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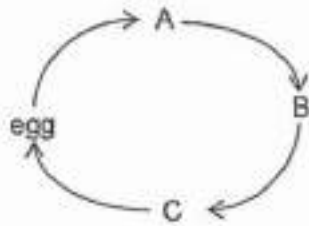
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Question 14

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the stages in the life cycle of the mosquito.



Which one of the following statements is true?

- A) Stage A represents the adult stage.
- B) The mosquito can only fly in stage B.
- ✓ C) The mosquito does not feed in stage B.
- D) Only stages B and C are spent in water.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,330,408

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

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Question 15

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Amin observed organisms, E and F, over a period of time and recorded his findings in the table below.

Observation	E	F
It has a 3-stage life cycle.	Yes	Yes
Its young resembles the adult.	No	Yes
It spends part of its life cycle in water.	Yes	No

Which one of the following correctly represents organisms E and F?

- A)

E	F
chicken	cockroach
- B)

E	F
butterfly	grasshopper
- ✓ C)

E	F
frog	cockroach
- D)

E	F
frog	mealworm beetle

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,613

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

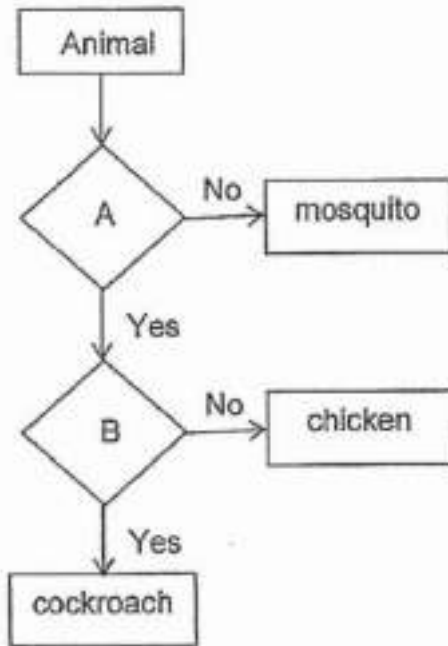
[Remove From Test](#)

Question 16

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the flow chart below.



Which of the following statements correctly represents A and B?

- A)

A	B
Does it give birth to its young?	Does its young resemble the adult?
- B)

A	B
Does it live in water?	Does it give birth to its young?
- ✓ C)

A	B
Does it have a 3-stage life cycle?	Does it have six legs?
- D)

A	B
Does it have a 4-stage life cycle?	Does it live on land?

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,646

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

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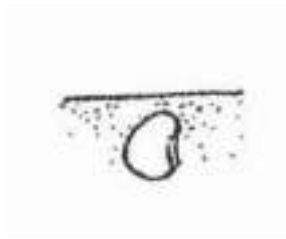
Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

In which of the following stages can the plant reproduce?

A)



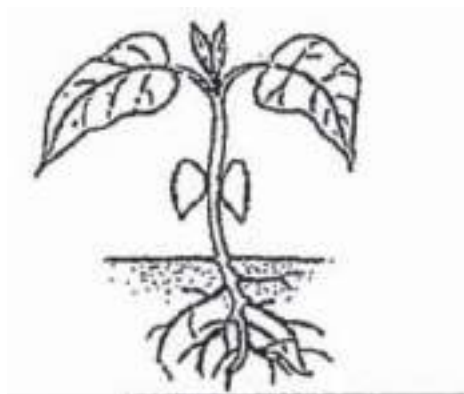
B)



✓ C)



D)



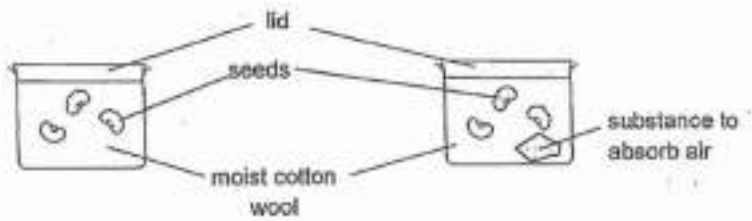
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,685

Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Alan carried out an experiment as shown below.



The aim of the experiment is to find out if the _____ affects the germination of the seeds.

- ✓ A) presence of air
- B) amount of water
- C) presence of light
- D) number of seeds

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,704

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

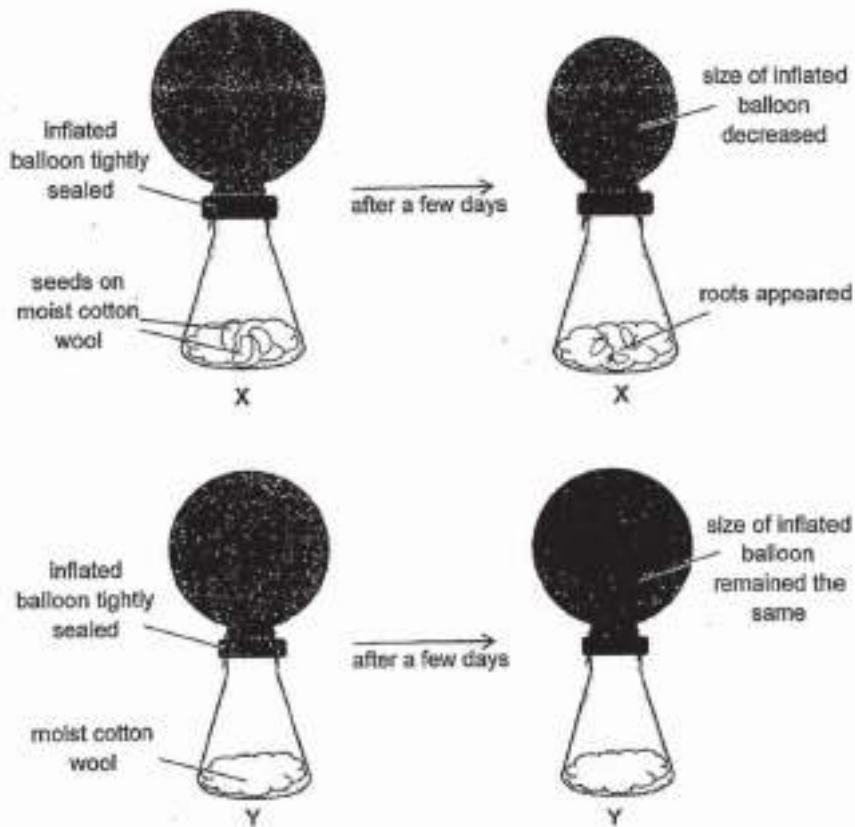
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Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Alex prepared two set-ups, X and Y, as shown below.



The size of the balloon for set-up X decreased. Which one of the following is a possible reason?

- ✓ A) Air was taken in by the seeds.
- B) Air was produced by the seeds.
- C) Air was taken in by the moist cotton wool.
- D) Air was produced by the moist cotton wool.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,739

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

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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The table below shows the properties of materials A, B, C and D.
A tick (✓) indicates that the material has the property.

Material	Property		
	Strong	Flexible	Waterproof
A	✓		✓
B	✓	✓	
C		✓	
D	✓	✓	✓

Which material, A, B, C or D, would you use to make a raincoat?



- A) A
- B) B
- C) C
- ✓ D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,762

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

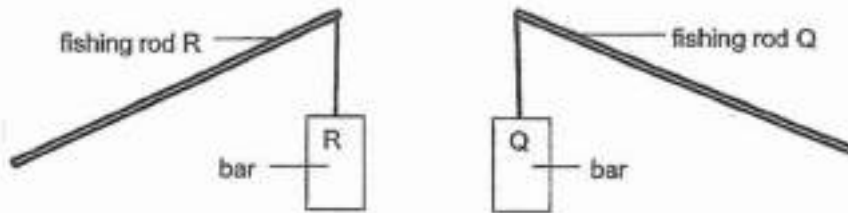
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Question 21

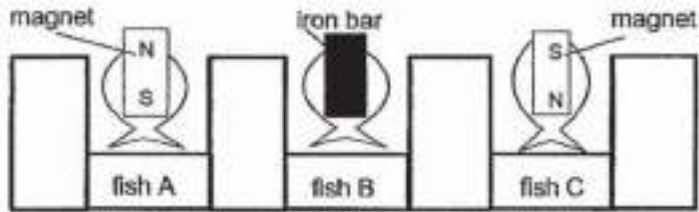
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Henry made a fishing game using the objects shown below.



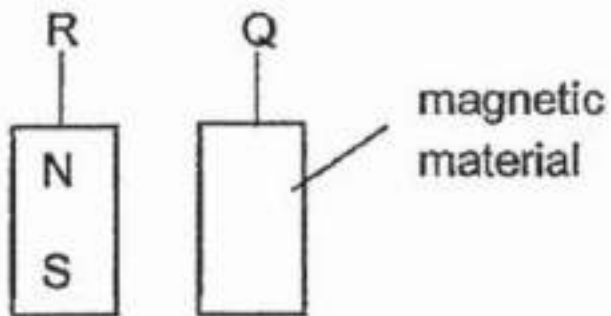
The lower end of bar R and Q are used to catch toy fish A, B and C.



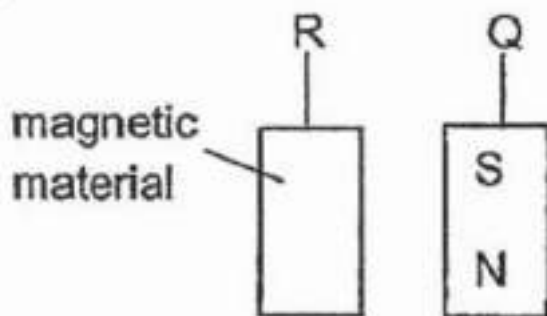
Rod R could catch fish A and B only. Rod Q could catch fish A and C only.

Which of the following shows the bars for rods R and Q?

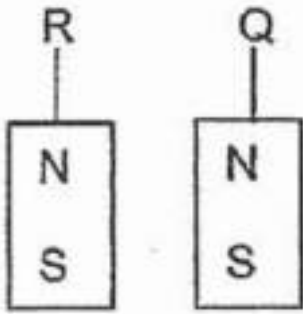
✓ A)



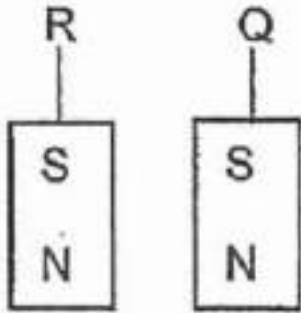
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,810

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

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Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The pictures below shows 1 kg of cotton and 1 kg of rice.



1 kg of cotton



1 kg of rice

Which one of the following is true about the comparison of the mass and volume of the cotton and rice?

A)

Mass	Volume
same	same

B)

Mass	Volume
different	same

C)

Mass	Volume
different	different

✓ D)

Mass	Volume
same	different

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,832

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

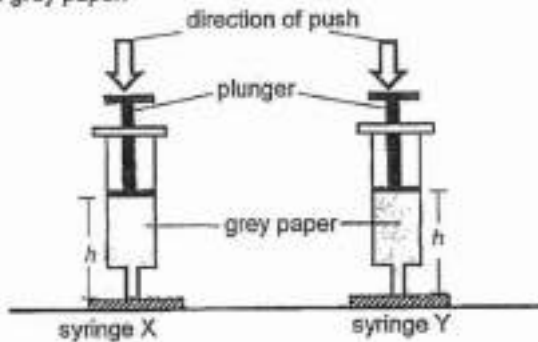
[Remove From Test](#)

Question 23

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Ally carried out an experiment, as shown below, using two syringes, X and Y. Each syringe contained matter of different states. The external part of the syringes were wrapped in grey paper.



She pushed both plungers downwards and recorded the heights of h in the table below.

Syringe	Height of h (cm)	
	At the beginning	At the end
X	8	5
Y	8	8

Which one of the following correctly describes the state of the substance contained in syringe X and Y?

- ✓ A)
- | state of substance in syringe X | state of substance in syringe Y |
|---------------------------------|---------------------------------|
| gas | liquid |
- B)
- | state of substance in syringe X | state of substance in syringe Y |
|---------------------------------|---------------------------------|
| liquid | solid |
- C)
- | state of substance in syringe X | state of substance in syringe Y |
|---------------------------------|---------------------------------|
| gas | gas |
- D)
- | state of substance in syringe X | state of substance in syringe Y |
|---------------------------------|---------------------------------|
| liquid | gas |

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,854

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

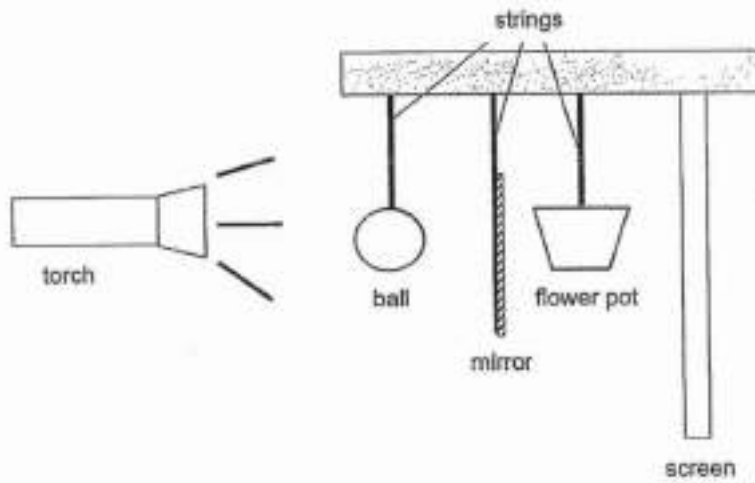
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Question 24

Primary 4 Science » Primary 4 Science (Term 4)

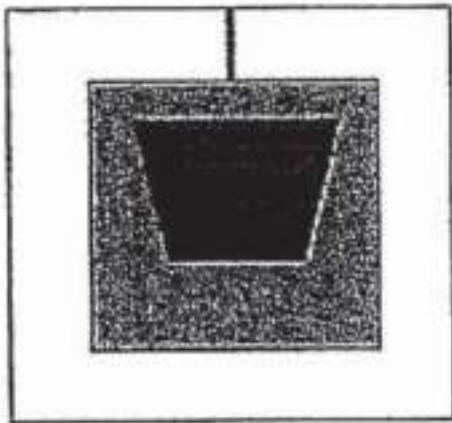
2 pts

A torch was shone on three objects hanging by strings as shown in the diagram below.

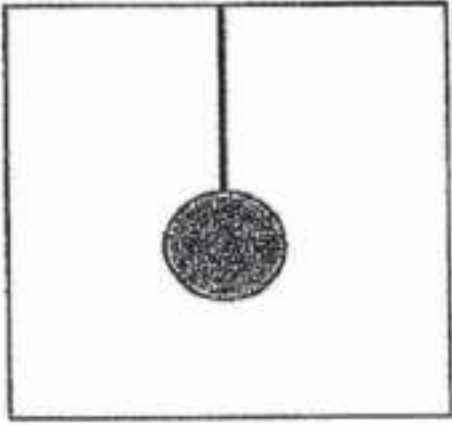


Which one of the following shadows will most likely be formed on the screen?

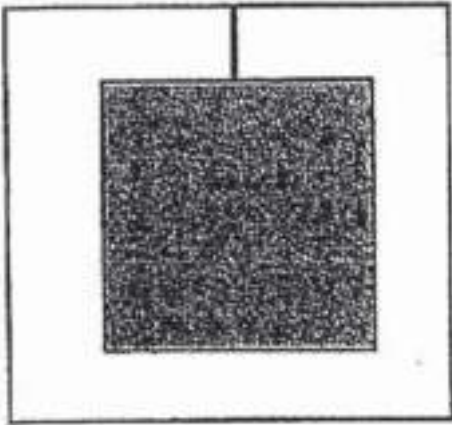
A)



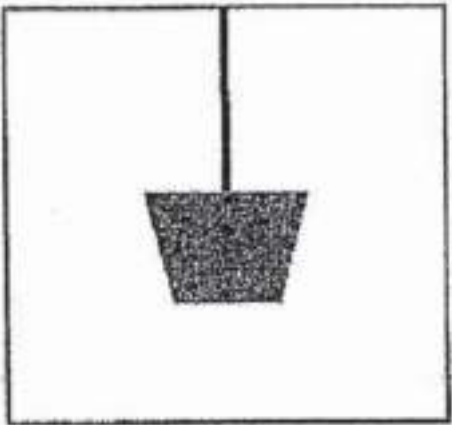
B)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,876

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

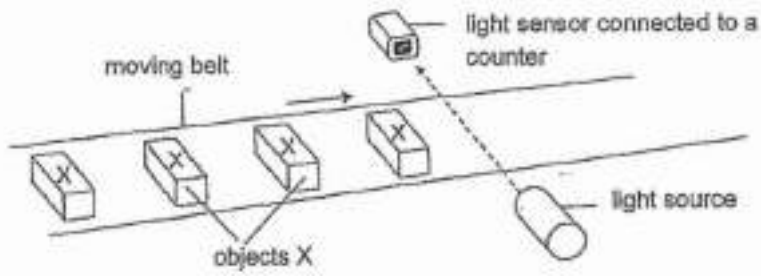
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Question 25

Primary 4 Science » Primary 4 Science (Term 4)

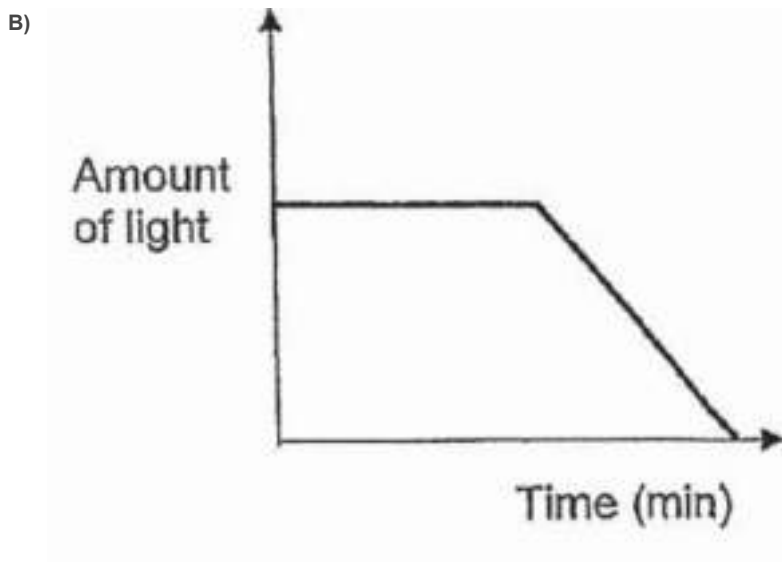
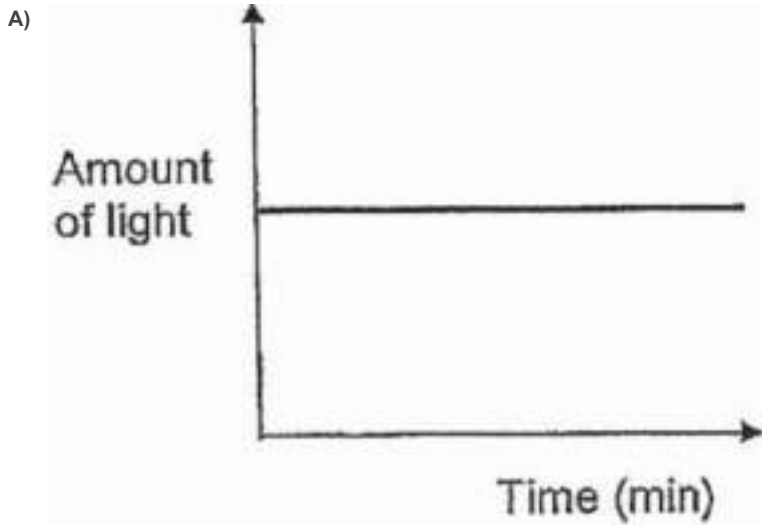
2 pts

The diagram below shows a set-up that uses a light sensor to count the number of identical object X moving on a belt in a room with lights.

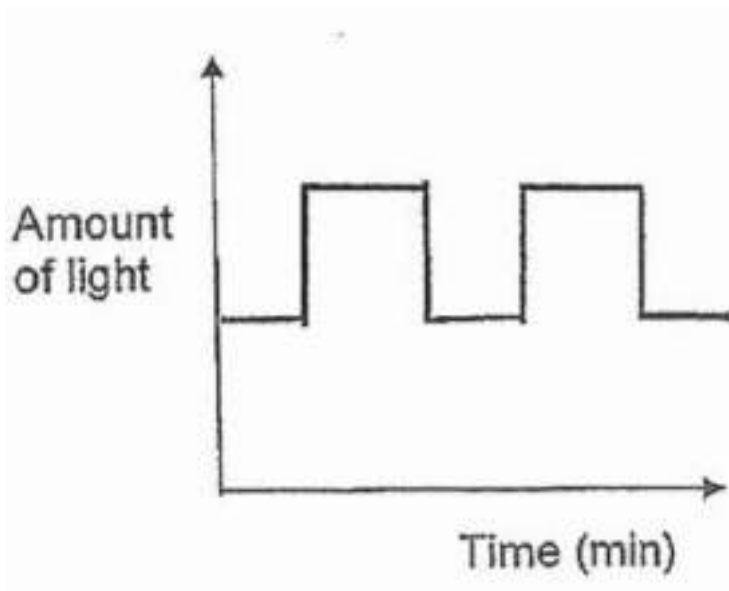


The belt moves at a constant speed. When an object X is between the light source and the sensor, it blocks some light from reaching the sensor.

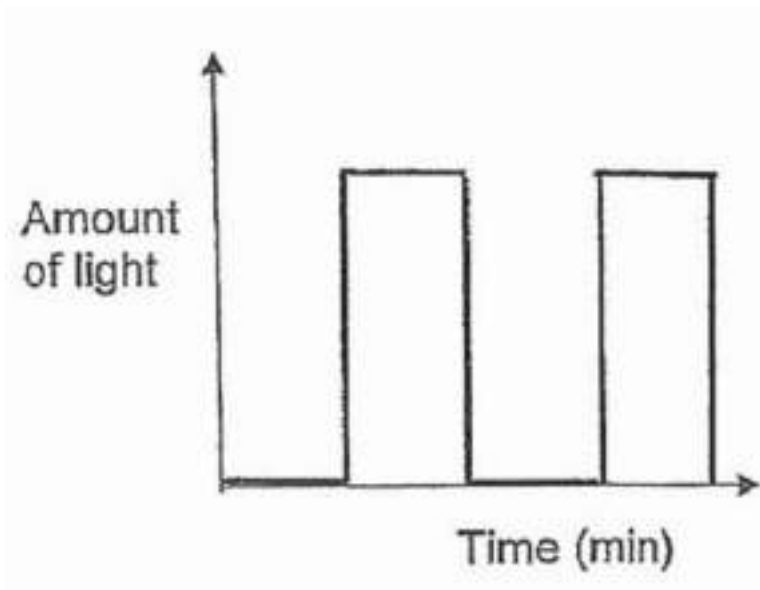
Which graph correctly shows the data recorded by the light sensor?



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,914

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

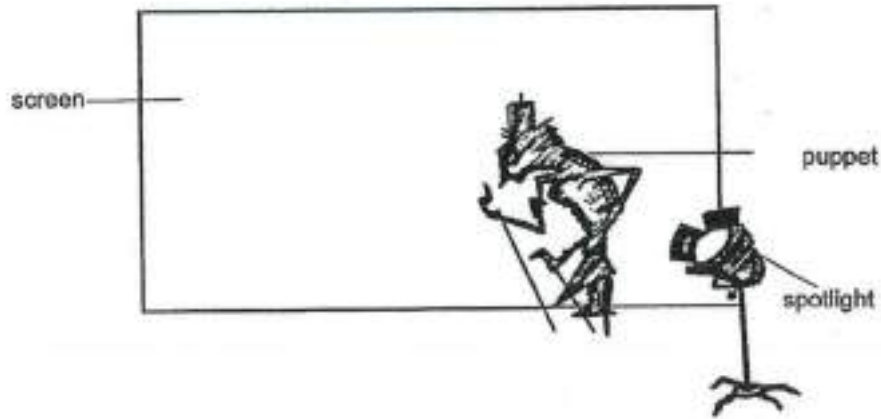
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Question 26

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Some pupils are preparing for a shadow puppet performance. They set up the stage as shown in the diagram below.



The pupils then made a few more shadow puppets by using different materials.

Which one of the puppet is the least suitable for the show?

- A) A puppet made of cardboard.
- B) A puppet made of tracing paper.
- C) A puppet made of drawing block.
- ✓ D) A puppet made of clear plastic sheet.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,921

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

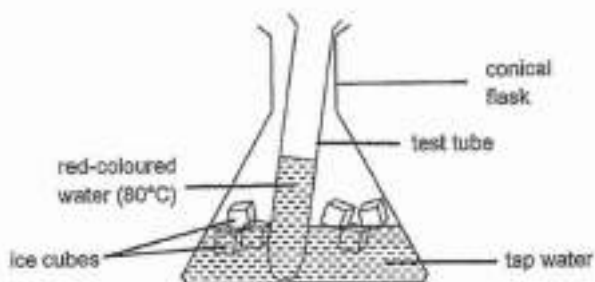
[Remove From Test](#)

Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A test tube containing some red-coloured water at 80°C was placed into a conical flask containing some tap water and ice as shown below. The set-up was left overnight in a room where the temperature was 26°C.



Which of the following correctly shows the temperature of the tap water and red-coloured water the next day?

- A)

Temperature of the tap water (°C)	Temperature of the red-coloured water (°C)
-----------------------------------	--

54	54
----	----

B)

Temperature of the tap water (°C)	Temperature of the red-coloured water (°C)
15	26

C)

Temperature of the tap water (°C)	Temperature of the red-coloured water (°C)
26	80

✓ D)

Temperature of the tap water (°C)	Temperature of the red-coloured water (°C)
26	26

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Tue 6th Jul 2021
 Last Modified: N/A
 QID#: 28,334,953

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

[Remove From Test](#)

Question 28

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Mr Muthu prepared his 'teh tarik' (pulled tea) by pouring the tea from a metal container to another metal container repeatedly as shown in the diagram below.



He poured the tea back and forth repeatedly between the two metal containers from a height to ensure that the tea is not too hot for the customers to drink.

Sally, Vicky and Joy, each made a statement on why the tea is not too hot.

Sally	Coldness from the surrounding air travels to the hot tea.
Vicky	The hot tea will lose heat faster to the surrounding air.
Joy	Metal containers conducted the heat away from the hot tea.

Which of the above children's statement(s) is/are correct?

- A) Vicky only
 ✓ B) Vicky and Joy only
 C) Joy and Sally only

D) Sally, Vicky and Joy

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,967

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

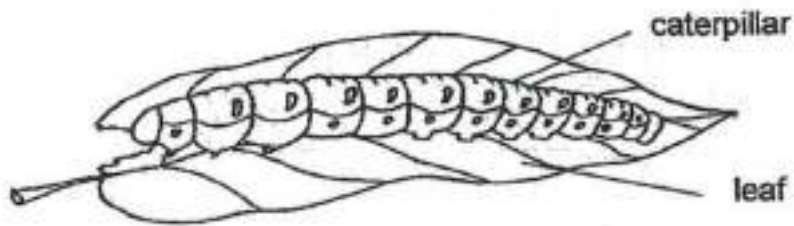
[Remove From Test](#)

Question 29

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Study the diagram and fill in the blanks.



The caterpillar needs food, _____ and air to stay alive.

Accepted answers:

✓ Water

Question Type: Free Text
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,980

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

[Remove From Test](#)

Question 30

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Study the diagram and fill in the blanks.



The caterpillar eats leaves and becomes longer after some time.
 This shows that it can _____.

Accepted answers:

✓ Grow

Question Type: Free Text
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,334,992

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 31

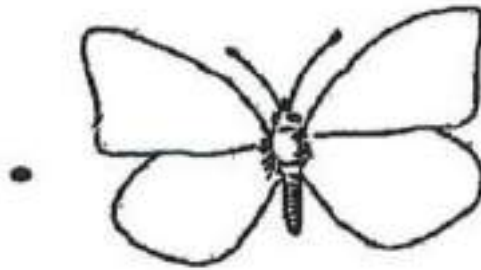
Primary 4 Science » Primary 4 Science (Term 4)

3 pts

The diagram below shows the young and adult of some organisms.
Match the young with the correct adult.

Clue

Match



Points: +1 -0



Points: +1 -0



Points: +1 -0

Incorrect match option



Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Tue 6th Jul 2021
Last Modified: N/A
QID#: 28,335,066

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

[Remove From Test](#)

Question 32

Primary 4 Science » Primary 4 Science (Term 4)

3 pts

Classify the following into matter and non-matter.

Clue

Match

Shadow

Non-Matter

Points: +1 -0

Sugar

Matter

Points: +1 -0

Heat

Non-Matter

Points: +1 -0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,595

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

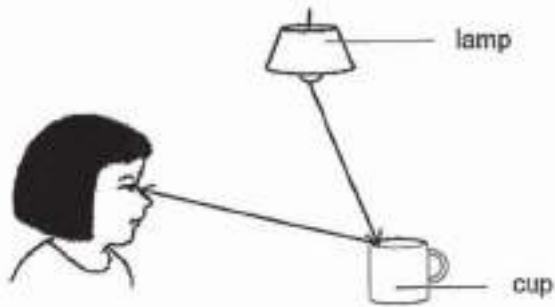
[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows how Mary sees the cup.



The _____ from the lamp is _____ by the cup and enters Mary's eye. [2]

Accepted answers:

- ✓ light, reflected
- ✓ Light and Reflected
- ✓ Light/reflected
- ✓ Light / reflected
- ✓ light/reflected

Question Type: Free Text
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,627

Correctly answered feedback

The **light** from the lamp is **reflected** by the cup and enters Mary's eye.

Incorrectly answered feedback

The **light** from the lamp is **reflected** by the cup and enters Mary's eye.

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

[Remove From Test](#)

Question 34

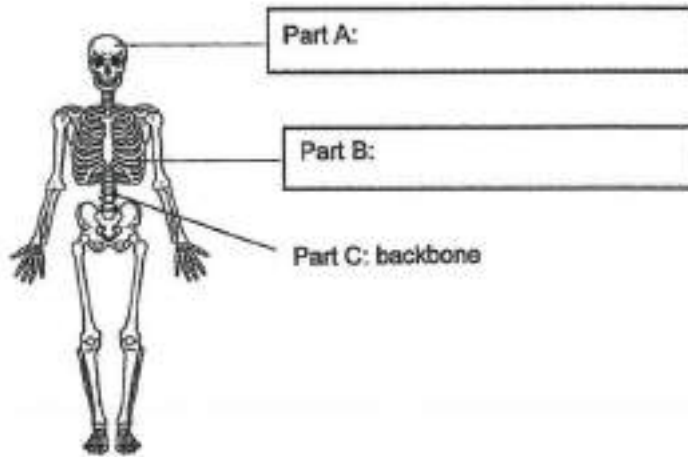
Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

The diagram below shows the human skeletal system.

Identify the parts, A and B, in the boxes below.

[1]



Identify Part A.

Accepted answers:

✓ Skull

Question Type: Free Text
Date Added: Wed 7th Jul 2021
Last Modified: Wed 7th Jul 2021
QID#: 28,342,645

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

[Remove From Test](#)

Question 35

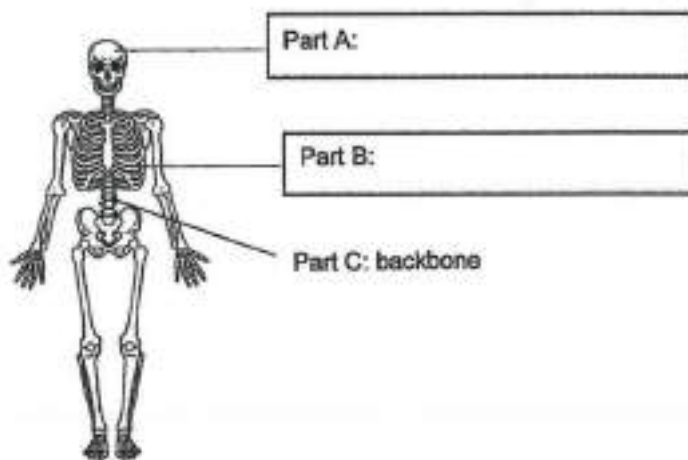
Primary 4 Science » Primary 4 Science (Term 4)

0.5 pts

The diagram below shows the human skeletal system.

Identify the parts, A and B, in the boxes below.

[1]



Identify Part B.

Accepted answers:

✓ rib cage

Question Type: Free Text
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,650

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

[Remove From Test](#)

Question 36

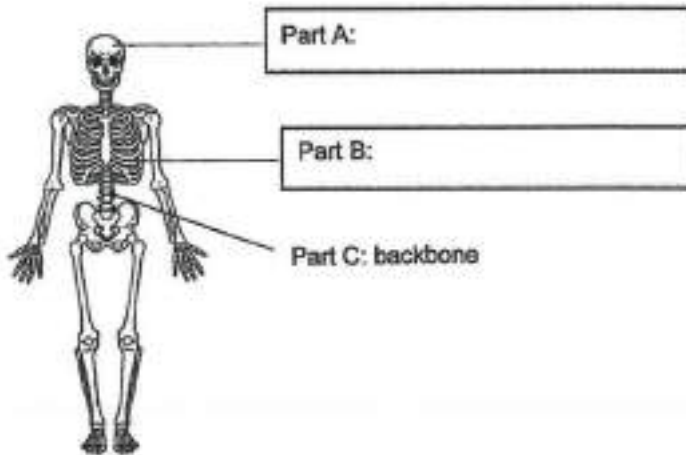
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows the human skeletal system.

Identify the parts, A and B, in the boxes below.

[1]



State a function of part A. (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,658

Correctly answered feedback

Part A protects the brain.

Incorrectly answered feedback

Part A protects the brain.

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

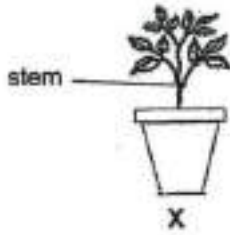
[Remove From Test](#)

Question 37

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows plant X.



Jenny learnt the functions of the plant system and states that the stem of plant X has a similar function as part C of the human skeletal system. Do you agree? 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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,666

Correctly answered feedback

Yes, the backbone supports the body just like the stem keep the plant upright.

Incorrectly answered feedback

Yes, the backbone supports the body just like the stem keep the plant upright.

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

[Remove From Test](#)

Question 38

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The table below shows the stages in the life cycle of insects, A and B, and the number of days they remain in each stage.

Stage in life cycle of Insect A	egg	larva	pupa	adult
Number of days	1	5	12	10

Stage in life cycle of Insect B	egg	larva	pupa	adult
Number of days	1	3	5	12

Predict the stage of insect A on the 10th day of their life cycles after the eggs are laid.

Insect A: _____

Accepted answers:

✓ pupa

Question Type: Free Text

Date Added: Wed 7th Jul 2021
 Last Modified: N/A
 QID#: 28,342,685

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

[Remove From Test](#)

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The table below shows the stages in the life cycle of insects, A and B, and the number of days they remain in each stage.

Stage in life cycle of Insect A	egg	larva	pupa	adult
Number of days	1	5	12	10

Stage in life cycle of Insect B	egg	larva	pupa	adult
Number of days	1	3	5	12

Predict the stage of insect B on the 10th day of their life cycles after the eggs are laid.

Insect B: _____

Accepted answers:

✓ adult

Question Type: Free Text
 Date Added: Wed 7th Jul 2021
 Last Modified: N/A
 QID#: 28,342,699

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

[Remove From Test](#)

Question 40

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The table below shows the stages in the life cycle of insects, A and B, and the number of days they remain in each stage.

Stage in life cycle of Insect A	egg	larva	pupa	adult
Number of days	1	5	12	10

Stage in life cycle of Insect B	egg	larva	pupa	adult
Number of days	1	3	5	12

Both insects reproduce by laying many eggs.

Explain why the insects lay many eggs. (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,712

Correctly answered feedback

Some of the insects eggs will be eaten by predators while the rest will live to adulthood to reproduce.

Incorrectly answered feedback

Some of the insects eggs will be eaten by predators while the rest will live to adulthood to reproduce.

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

[Remove From Test](#)

Question 41

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

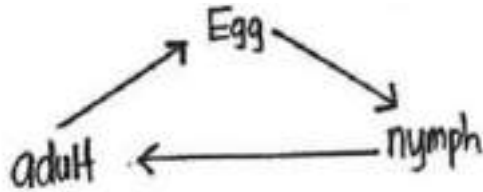
Draw and label the life cycle of the grasshopper below. (1 mark)

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.

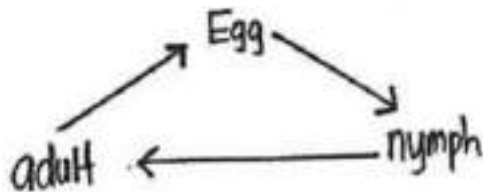
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,764

Correctly answered feedback



Incorrectly answered feedback



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

[Remove From Test](#)

Question 42

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State a similarity and difference between the adult grasshopper and its young. (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,771

Correctly answered feedback

Similarity: Both have 6 legs.

Difference: The young has no wings but the adult has wings.

Incorrectly answered feedback

Similarity: Both have 6 legs.

Difference: The young has no wings but the adult has wings.

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

[Remove From Test](#)

Question 43

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain why the life cycle is important to the grasshopper. (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,777

Correctly answered feedback

The grasshopper needs to make of it's continuity of it's own kind.

Incorrectly answered feedback

The grasshopper needs to make of it's continuity of it's own kind.

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

[Remove From Test](#)

Question 44

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Ken planted the seed of a flowering plant and observed its growth. He measured the height of the young plant over a period of time as shown in the table below.

Time (week)	Height of the plant (cm)
0	0
1	5
2	9
3	20
4	22
5	22

State the two processes that the seed undergoes to become a young plant. The first letter of the two processes has been given. (2 marks)

Process 1: G_____

Process 2: G_____

Accepted answers:

- ✓ Germination and grow
- ✓ grow and germination
- ✓ Germination, Grow
- ✓ grow, germination
- ✓ Germination / Grow
- ✓ grow / germination

Question Type: Free Text
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,921

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

[Remove From Test](#)

Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

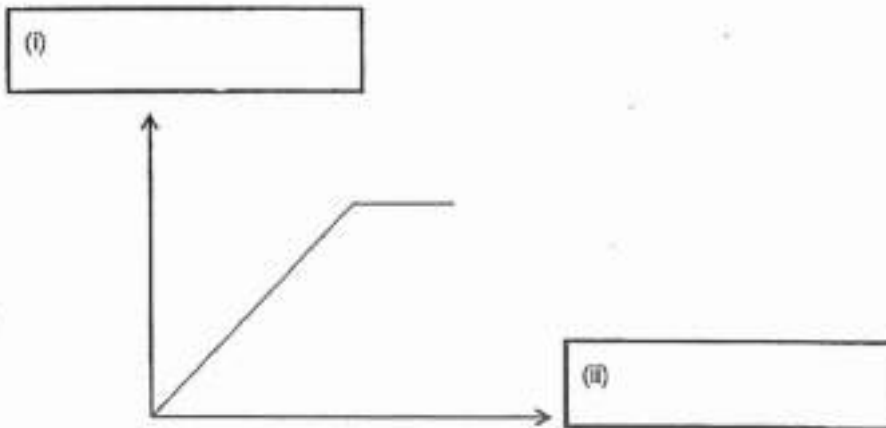
Ken planted the seed of a flowering plant and observed its growth. He measured the height of the young plant over a period of time as shown in the table below.

Time (week)	Height of the plant (cm)
0	0
1	5
2	9
3	20
4	22
5	22

The graph below shows height of the plant over a period of time.

Label (i) and (ii) clearly in the graph below.

[2]



- i) _____
ii) _____

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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,934

Correctly answered feedback

- i) Height
ii) Time (week)

Incorrectly answered feedback

- i) Height
ii) Time (week)

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

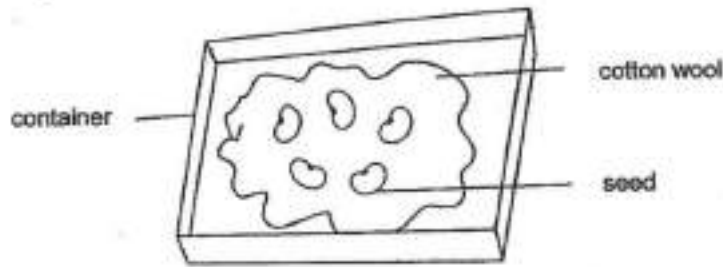
[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Andy wanted to find out if the amount of light affected the germination of the seeds. He set up a container as shown below.



He placed three similar containers, E, F and G, in the Science laboratory and recorded the information in the table shown below.

Container	Amount of light (lux)	Amount of water added to container (ml)
E	3500	50
F	100	20
G	100	50

Which two containers, E, F and G should Andy use to carry out his experiment? 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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,948

Correctly answered feedback

E and G as Andy are finding if the amount of light will affect germination and E and G have different amount of light and some amount of water as the question did not say about different amount of water.

Incorrectly answered feedback

E and G as Andy are finding if the amount of light will affect germination and E and G have different amount of light and some amount of water as the question did not say about different amount of water.

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

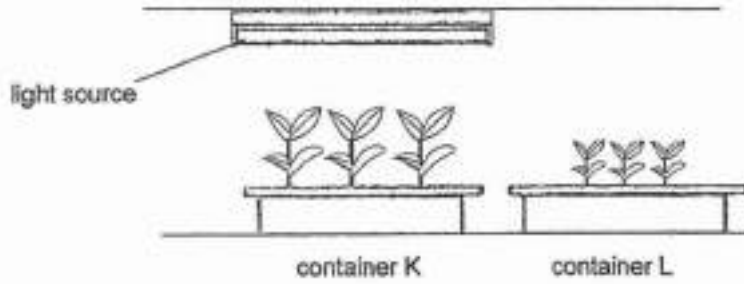
[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Andy observed another two containers, K and L, for a few weeks. He noticed that the plants in container L were smaller in size than the plants in container K as shown in the set-up below.



Based on the set-up above, state why the plants in L were smaller in size. (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,958

Correctly answered feedback

L has smaller plants because the leaves receive less light than K to make food for the plants.

Incorrectly answered feedback

L has smaller plants because the leaves receive less light than K to make food for the plants.

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

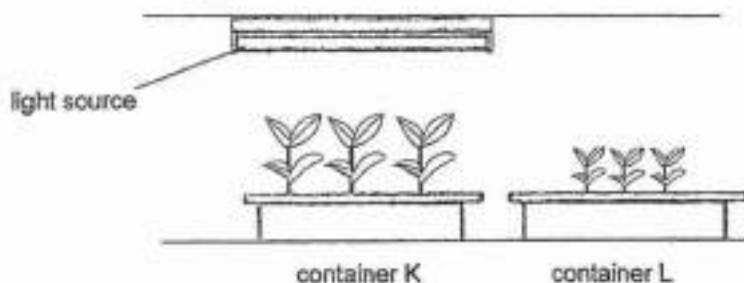
[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Andy observed another two containers, K and L, for a few weeks. He noticed that the plants in container L were smaller in size than the plants in container K as shown in the set-up below.



What could Andy do to the set-up to ensure that all the plants in containers K and L were similar in size? (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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,967

Correctly answered feedback

Put the light source in the middle of container K and L.

Incorrectly answered feedback

Put the light source in the middle of container K and L.

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

[Remove From Test](#)

Question 49

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Sally placed a packet of coffee into a cup without overflowing as shown below.



Identify the state of matter for the coffee.

Accepted answers:

✓ Liquid

Question Type: Free Text
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,975

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

[Remove From Test](#)

Question 50

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Sally placed a packet of coffee into a cup without overflowing as shown below.



Look at the statement below. Choose either True or False.

The shape of the coffee changed.

- ✓ A) True
B) False

Question Type: True False
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,983

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

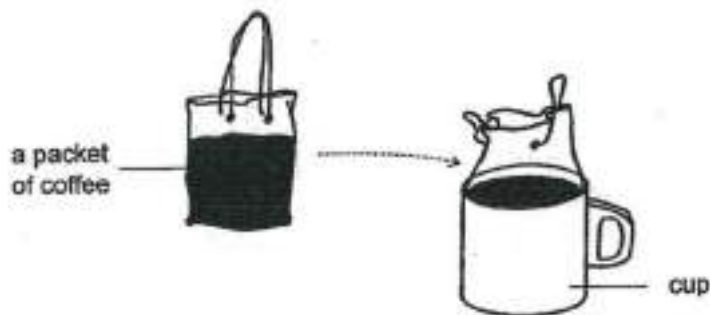
[Remove From Test](#)

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Sally placed a packet of coffee into a cup without overflowing as shown below.



Look at the statement below. Choose either True or False.

The volume of the coffee changed.

- A) True
✓ B) False

Question Type: True False
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,342,988

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Andrea made a cup of hot milo. However, it was too hot to drink. She added some tap water into the cup.



Choose the correct answer to show whether there was heat gain or heat loss in each item.

Clue**Match**

Hot Milo

Heat Loss

Points: +1 -0

Tap Water

Heat Gain

Points: +1 -0

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,343,005

Question 53

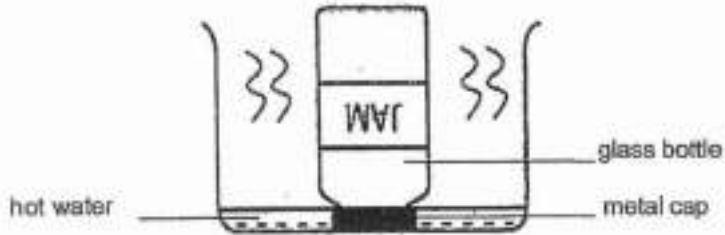
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Andrea made a cup of hot milo. However, it was too hot to drink. She added some tap water into the cup.



Andrea could not open the bottle of jam so she dipped the metal cap of the bottle into hot water for a minute as shown in the diagram.



She was then able to open the bottle of jam using this method.

Explain why Andrea was able to open the bottle of jam.

[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 Type: Essay
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,343,014

Correctly answered feedback

In the hot water the metal cap will gain heat and expand allowing Andrea to open the bottle of jam.

Incorrectly answered feedback

In the hot water the metal cap will gain heat and expand allowing Andrea to open the bottle of jam.

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

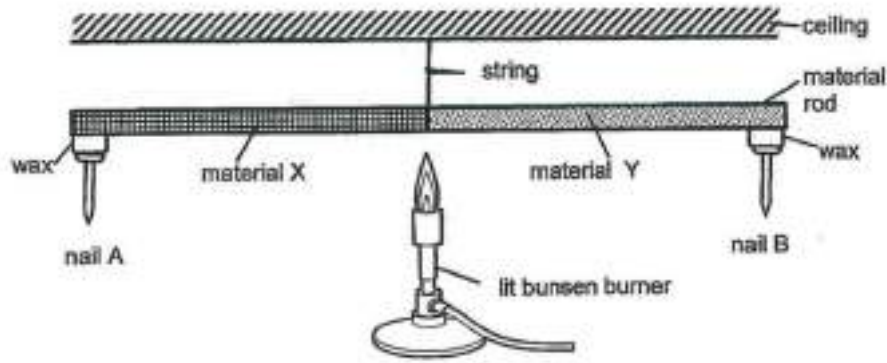
[Remove From Test](#)

Question 54

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Lee Han carried out an experiment as shown below to find out which material is a better conductor of heat.



Complete the table to show how Lee Han should carry out his experiment. Match the numbers 2 to 5 provided in the list to the steps on the left. The first step has been done for you.

Step	Procedure
1	Stick the flat end of the nail to the end of the rod using the same amount of wax.
	Using a stopwatch, measure how long it takes for each of the nails to fall off.
	Hang the rod using the string over the bunsen burner.
	Record the results.
	Light the bunsen burner.

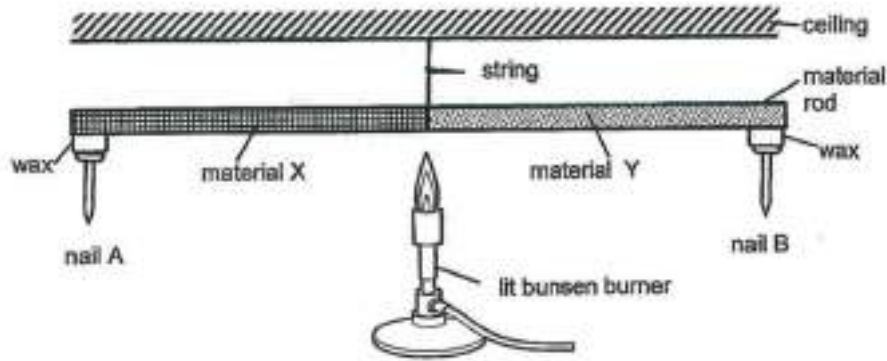
Clue	Match
Using a stopwatch, measure how long it takes for each of the nails to fall off. Points: +0.5 -0	4
Hang the rod using the string over the bunsen burner. Points: +0.5 -0	2
Record the results. Points: +0.5 -0	5
Light the bunsen burner. Points: +0.5 -0	3

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Wed 7th Jul 2021
Last Modified: N/A
QID#: 28,343,079

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

Question 55

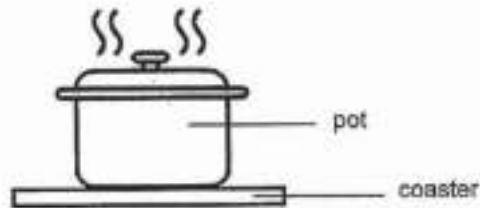
Lee Han carried out an experiment as shown below to find out which material is a better conductor of heat.



Lee Han recorded the time taken for the nails to drop off from the rod in the table below.

Material	Nail	Time taken for each nail to drop off (min)
X	A	2
Y	B	5

He wanted to find out which material is the best to make into a coaster. The purpose of the coaster is to prevent the table from being damaged by heat.



Based on the results from the table, which material, X or Y, is the better choice for making the coaster? 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 Type: Essay
 Date Added: Wed 7th Jul 2021
 Last Modified: N/A
 QID#: 28,343,107

Correctly answered feedback

Y, it took a longer time than X to drop off and will prevent the table from being damaged by heat, it is a poorer conductor of heat.

Incorrectly answered feedback

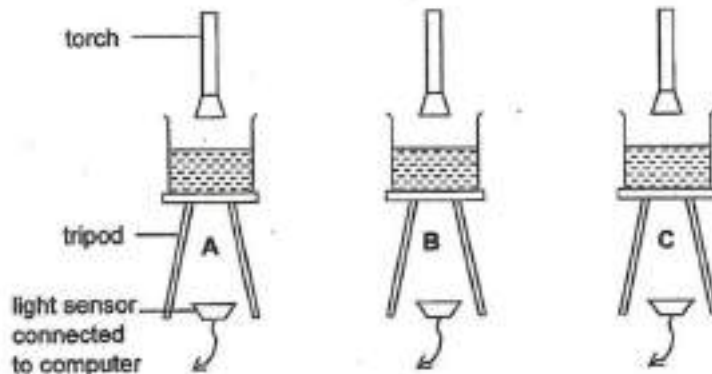
Y, it took a longer time than X to drop off and will prevent the table from being damaged by heat, it is a poorer conductor of heat.

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Paul collected some water samples from two ponds, A and B. He wanted to find out which pond has more polluted water. Polluted water contains more unwanted particles. Water sample C contained clear water.



He carried out the experiment in a dark room. He then used three identical torches to shine through the water samples. The reading of the amount of light passing through was recorded using a light sensor.

The results were shown in the table below.

Water samples	A	B	C
Amount of light that passed through (lux)	710	327	1009

Which one of the water samples, A or B, was more polluted? Give a reason. (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 Type: Essay
 Date Added: Wed 7th Jul 2021
 Last Modified: N/A
 QID#: 28,343,125

Correctly answered feedback

B, it allows less light to pass through.

Incorrectly answered feedback

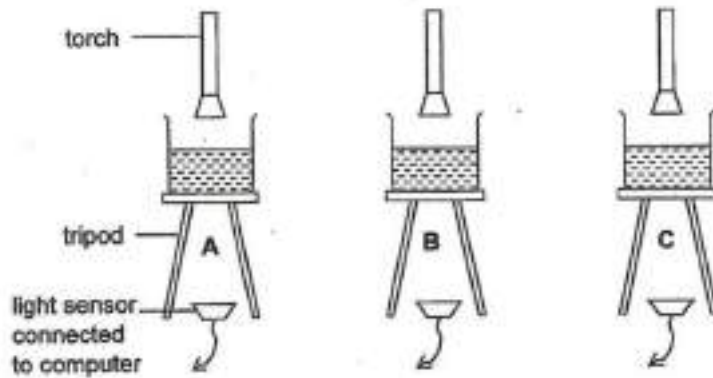
B, it allows less light to pass through.

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Paul collected some water samples from two ponds, A and B. He wanted to find out which pond has more polluted water. Polluted water contains more unwanted particles. Water sample C contained clear water.



He carried out the experiment in a dark room. He then used three identical torches to shine through the water samples. The reading of the amount of light passing through was recorded using a light sensor.

The results were shown in the table below.

Water samples	A	B	C
Amount of light that passed through (lux)	710	327	1009

Why did Paul set up his experiment in a dark room? (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 Type: Essay

Date Added: Wed 7th Jul 2021

Last Modified: N/A

QID#: 28,343,139

Correctly answered feedback

This is so that the light detected by the light sources sensor comes only from the torch.

Incorrectly answered feedback

This is so that the light detected by the light sources sensor comes only from the torch.

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

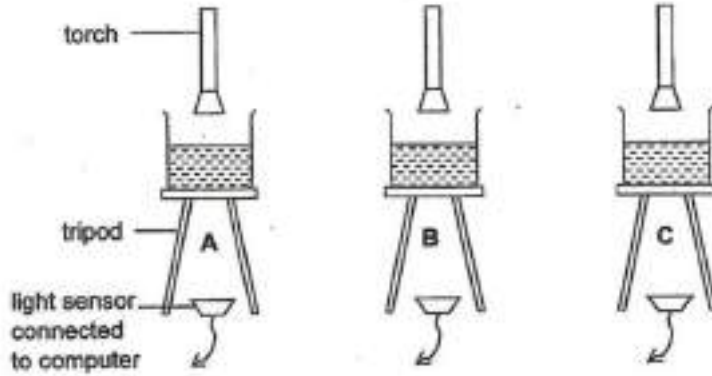
[Remove From Test](#)

Question 58

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Paul collected some water samples from two ponds, A and B. He wanted to find out which pond has more polluted water. Polluted water contains more unwanted particles. Water sample C contained clear water.



He carried out the experiment in a dark room. He then used three identical torches to shine through the water samples. The reading of the amount of light passing through was recorded using a light sensor.

The results were shown in the table below.

Water samples	A	B	C
Amount of light that passed through (lux)	710	327	1009

Based on Paul's experiment, choose the correct variables accordingly. Match the options below:

Clue	Match
The type of water samples used.	Changed
Points: +0.5 -0	
The amount of light that passed through the water.	Measured
Points: +0.5 -0	
The amount of the water samples.	Kept the same
Points: +0.5 -0	
Location of the set-ups.	Kept the same
Points: +0.5 -0	

Question Type: Matching
 Shuffle Mode: Shuffle Matches Only
 Date Added: Wed 7th Jul 2021
 Last Modified: N/A
 QID#: 28,343,162