


 **Primary 5 Science (Term 2) - MGS** 

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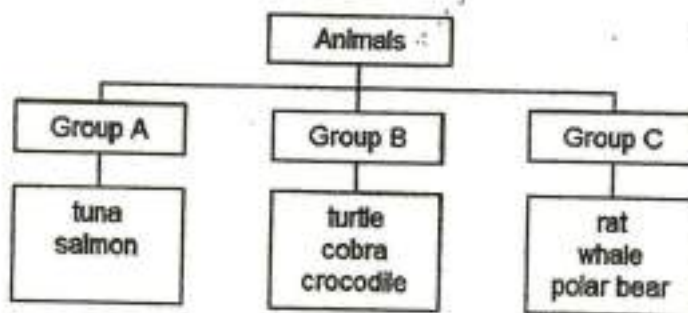
**Question 1**

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

For each question, four options are given. One of them is the correct answer. Make your choice (A, B, C or D) and choose the correct answer. (28 marks)

Study the following classification chart.



Which of the following statements are correct?

- A Only the animals in Group B breathe through lungs.
- B Only the animals in Group C give birth to their young alive.
- C Only the animals in Group A will try to get away from their predators.
- D Animals in Group A and B share at least one common characteristic.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,717

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## Question 2

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The table below shows the melting point and boiling point of two substances, X and Y.

Substance	Melting point (°C)	Boiling point (°C)
X	36	570
Y	15	400

Which of the following shows the correct state of substances X and Y at 27°C and 413°C respectively?

A)

State of substance	X at	State of substance	Y at
27°C	413°C	27°C	413°C
liquid	gas	solid	gas

B)

State of substance	X at	State of substance	Y at
27°C	413°C	27°C	413°C
liquid	gas	solid	liquid

C)

State of substance	X at	State of substance	Y at
27°C	413°C	27°C	413°C
solid	gas	solid	liquid

✓ D)

State of substance	X at	State of substance	Y at
27°C	413°C	27°C	413°C
solid	liquid	liquid	gas

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,708

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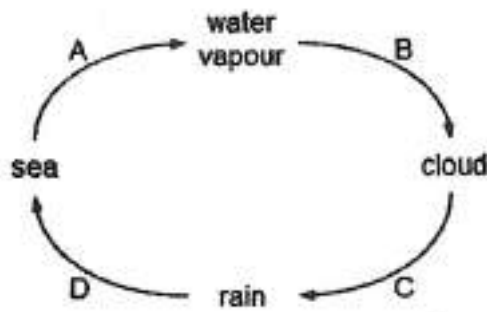
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## Question 3

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows the water cycle.



Which of the stages A, B, C and D involve a change of state?

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,709

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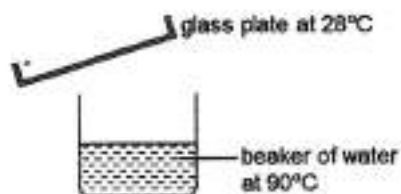
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## Question 4

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows a set-up in which water changes from one state to another.



Which of the following will most likely result in an increase in the amount of water droplets formed on the glass plate?

- A Add ice into the beaker
- B Heat up the glass plate
- C Put ice on top of the glass plate
- D Add boiling water into the beaker

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,710

Answers | Edit | Duplicate | Used In | Reorder

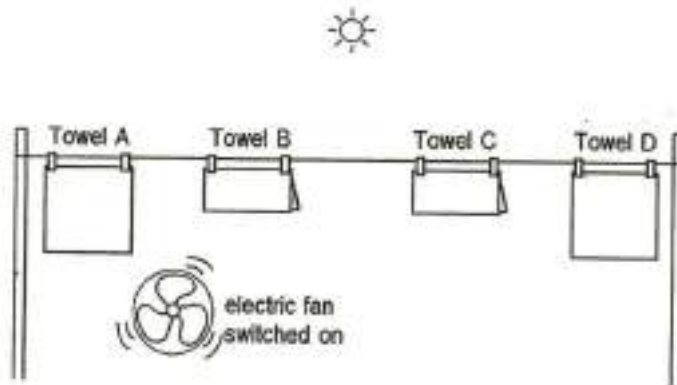
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## Question 5

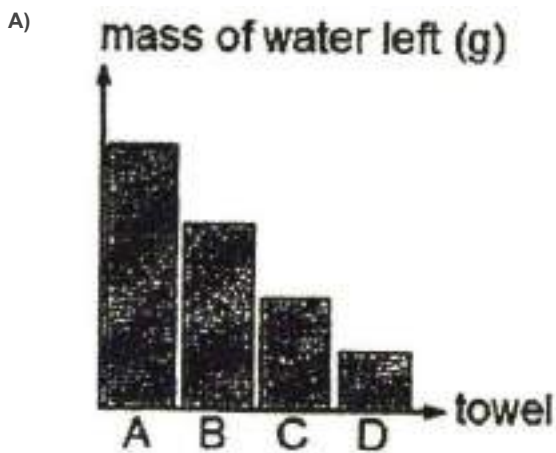
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

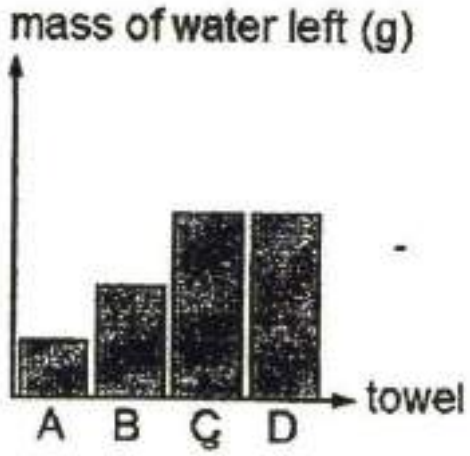
Four identical towels, A, B, C and D, were soaked in the same amount of water for 10 minutes. They were then hung up under the sun, as shown below. An electric fan was switched on and directed at towels A and B only.



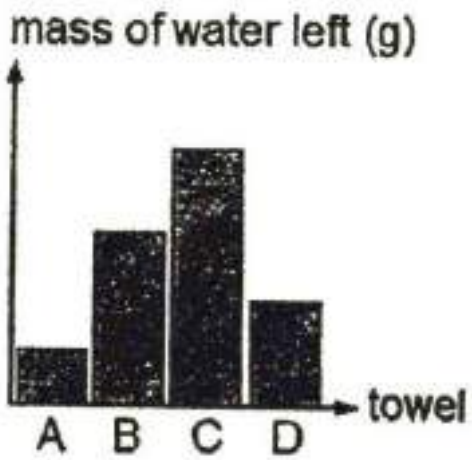
After an hour, the towels were weighed and the mass of water in each towel was calculated. Which one of the following graphs shows the mass of water left in the towels A, B, C and D?



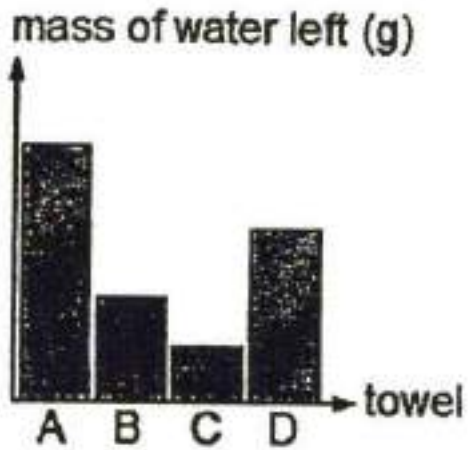
B)



✓ c)



D)



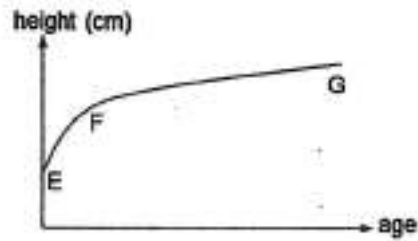
Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,711

## Question 6

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

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



After studying the graph, the students made the following statements.

Arjun: There is an increase in height from E to F as the size of the cells in the body grow larger. ✗

Beng: There is an increase in height from E to F as the number of the cells in the body increases. ✓

Zukri: There is not much change in height from F to G because there is no cell division. ✗

Whose statement(s) is/are correct?

- A) Arjun only
- ✓ B) Beng only
- C) Arjun and Zukri only
- D) Beng and Zukri only

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,712

Answers | Edit | Duplicate | Used In | Reorder

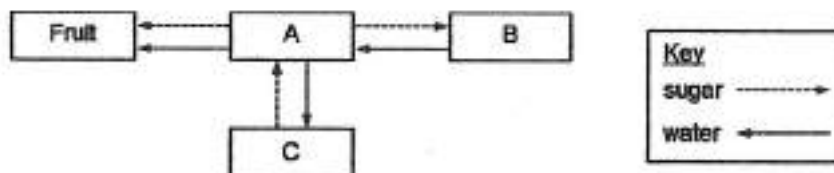
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## Question 7

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows how sugar and water are transported to and from different parts of a plant.



Which of the following show the parts of the plant represented by A, B and C?

- A) 

A	B	C
leaves	stems	roots
- B) 

A	B	C
---	---	---

✓

stems	roots	leaves
-------	-------	--------

C)

A	B	C
roots	stems	leaves

D)

A	B	C
roots	leaves	stems

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,713

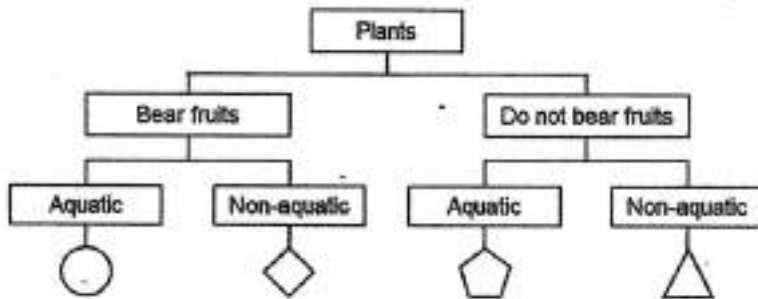
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### Question 8

Primary 5 Science » Primary 5 Science (Term 2) 2 pts

The table below shows information of three plants, A, B and C, based on two characteristics. A tick (✓) shows that the plant has the characteristic.

Plants \ Characteristics	A	B	C
Has flowers		✓	
Grows on land			✓



From the information given above, which of the following represent Plants A, B and C in the classification chart?

A)

Plant A	Plant B	Plant C
△	◇	○

B)

◇	△	⬠
---	---	---

C)

○	⬠	◇
---	---	---

✓ D)



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
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 QID#: 28,627,714

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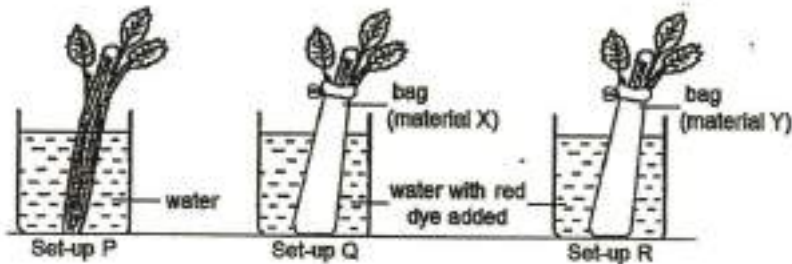
## Question 9

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

An experiment was set up in the laboratory as shown below. Three identical celery stalks were used in an experiment.

The celery stalk in Set-up P was placed in tap water. The bases of the celery stalks in Set-ups Q and R were placed in bags, made from materials X and Y respectively, before placing them into the beakers of water with red dye added.



After five days, the following observations were made.

Set-up	P	Q	R
Observation	Leaves were green and did not wilt.	Leaves were yellowish and wilted.	Leaves did not wilt. Their edges were red.

Which of the following statements are correctly inferred from the observations?

- A Water could pass through material X.
- B Water could pass through material Y.
- C The food-carrying tubes of the celery could transport water to the leaves.
- D The water-carrying tubes of the celery could transport red dye to the leaves.

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,715

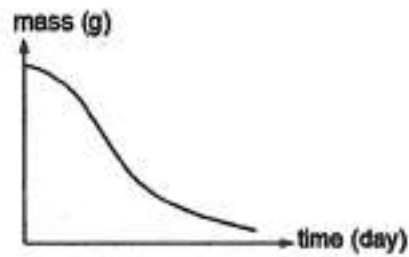


[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 10**

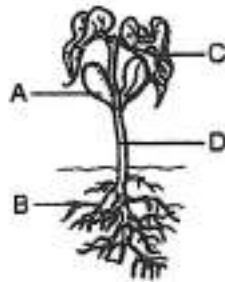
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The graph below shows the mass of a part of the plant as its seedling develops.



Which part of the plant, A, B, C or D, does the graph show?



- ✓ A) A  
B) B  
C) C  
D) D

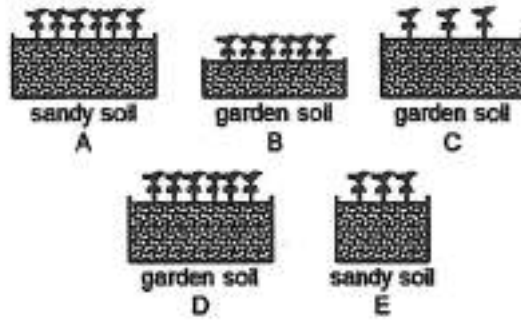
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,716

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 11**

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Tim wanted to find out if overcrowding would affect the growth of seedlings.



He placed seeds of the same type in five pots of soil and placed them in a sunny part of a garden. He watered the seeds daily with the same amount of water. After a week, the seeds developed into seedlings.

Which two pots of seedlings should Tim observe to make a fair comparison?

- A) A and B
- B) A and C
- C) B and C
- ✓ D) C and D

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,718

Answers | Edit | Duplicate | Used In | Reorder

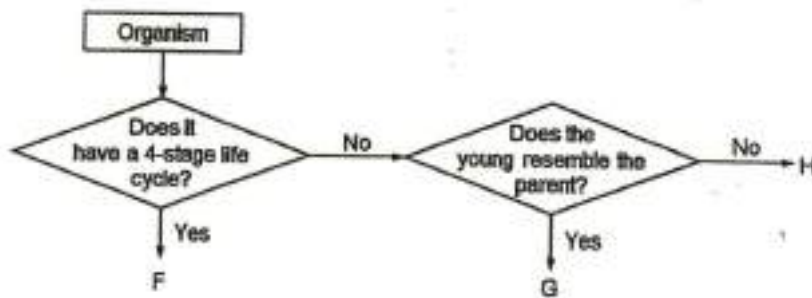
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### Question 12

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Study the following flow chart.



Which of the following represent organisms F, G and H correctly?

- A) 

F	G	H
moth	frog	housefly
- ✓ B) 

F	G	H
butterfly	chicken	frog
- C) 

F	G	H

dog	toad	butterfly
-----	------	-----------

D)

F	G	H
grasshopper	dog	mosquito

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,719

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## Question 13

Primary 5 Science » Primary 5 Science (Term 2)

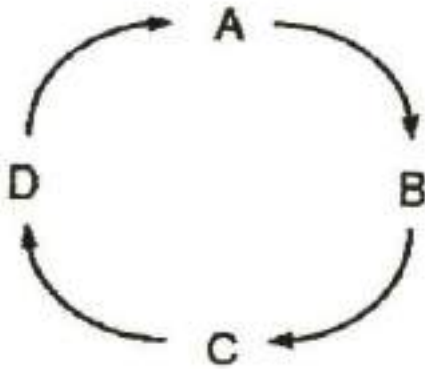
2 pts

A, B, C and D are processes occurring in the life cycle of a plant.

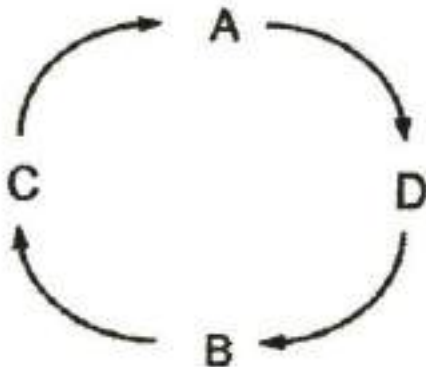
- A Dispersal
- B Pollination
- C Fertilisation
- D Germination

Which of the following shows the correct order of the processes?

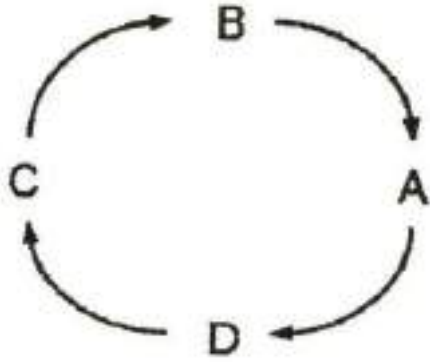
A)



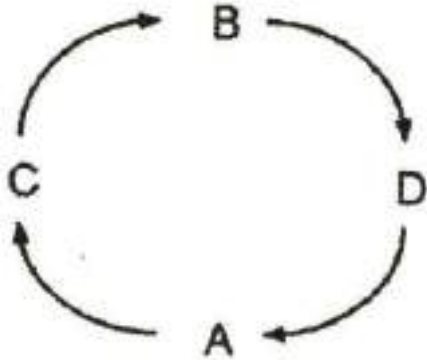
✓ B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,720

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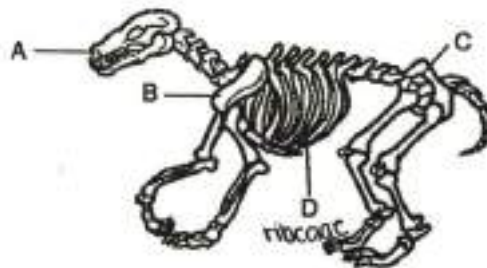
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## Question 14

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows the skeletal structure of a cat.



When a cat breathes, it takes in air into its lungs. Which part of the skeletal structure protect these organs?

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



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
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**QID#:** 28,627,721

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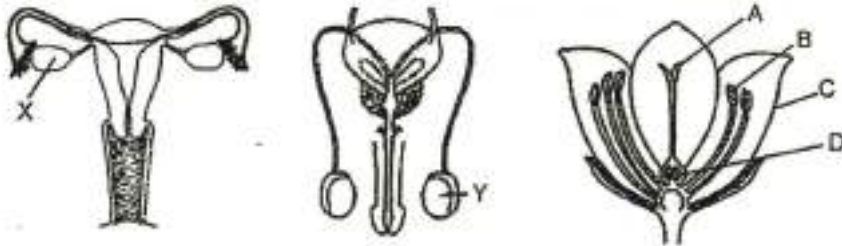
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### Question 15

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows the reproductive parts of human and plants.



Which of the following represents the parts of the flower which have the same function as X and Y respectively?

- A) 

X	Y
A	C
- B) 

X	Y
D	B
- C) 

X	Y
C	D
- D) 

X	Y
B	A

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
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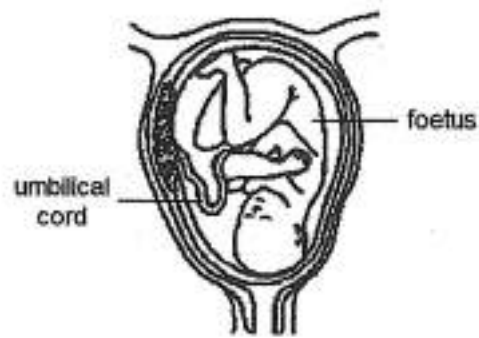
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### Question 16

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows a developing foetus in its mother's womb.



Which of the following substances are transported from the foetus to its mother through the umbilical cord?

- A blood
- B carbon dioxide
- C nutrients
- D oxygen

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
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## Question 17

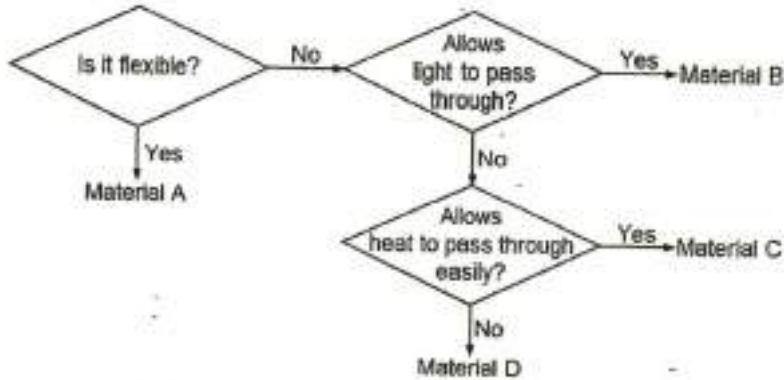
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows a pot with parts P, Q, R and S. Without opening the cover, the user is able to see the interior of the pot.



The flow chart below shows the properties of four materials A, B, C and D.



Which of the following shows the most suitable material to be used for each part of the pot?

- A) 

Part P	Part Q	Part R	Part S
A	C	D	B
- B) 

Part P	Part Q	Part R	Part S
B	D	A	C
- ✓ C) 

Part P	Part Q	Part R	Part S
D	B	D	C
- D) 

Part P	Part Q	Part R	Part S
D	B	A	C

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
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### Question 18

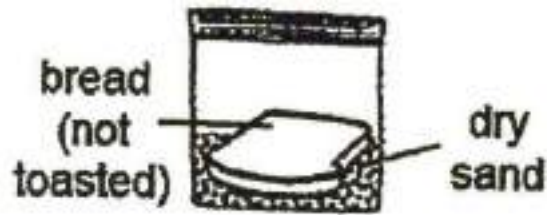
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

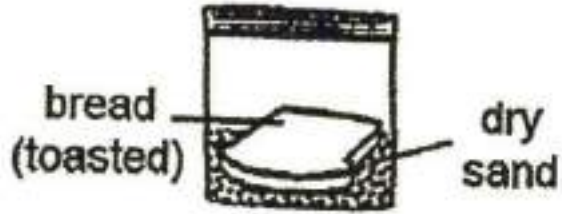
An experiment was carried out to see how fast bread mould will grow under different conditions. The plastic bags are all sealed.

In which set-up would the bread turn mouldy in the shortest time?

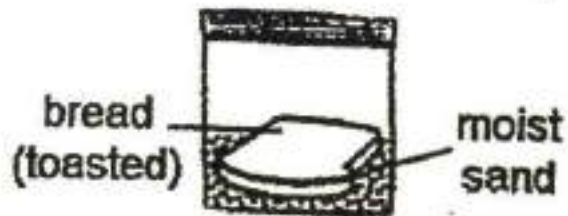
A)



B)



C)



✓ D)



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,725

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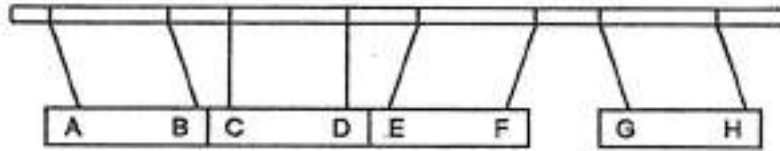
## Question 19

Primary 5 Science » Primary 5 Science (Term 2)

2 pts



The diagram below shows the interaction of four magnets hanging from strings tied to a horizontal pole.



Which one of the following statements is incorrect?

- A) C will repel H
- B) B and D are like poles
- C) G will be attracted to A
- ✓ D) A and H are unlike poles

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,726

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## Question 20

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Which of the following statements about bacteria are true?

- A) All bacteria are organisms.
- B) All bacteria have chloroplasts.
- C) All bacteria can move by themselves.
- D) All bacteria are harmful and cause illness.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,727

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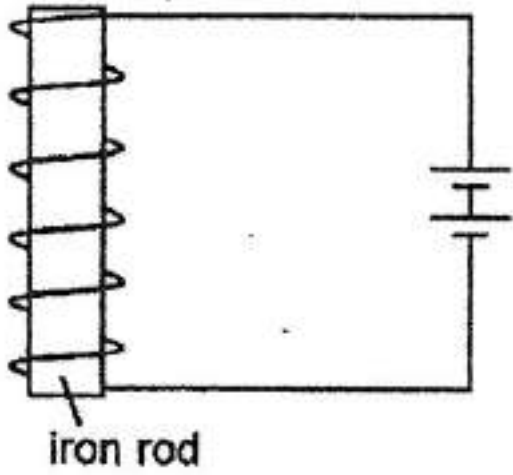
## Question 21

Primary 5 Science » Primary 5 Science (Term 2)

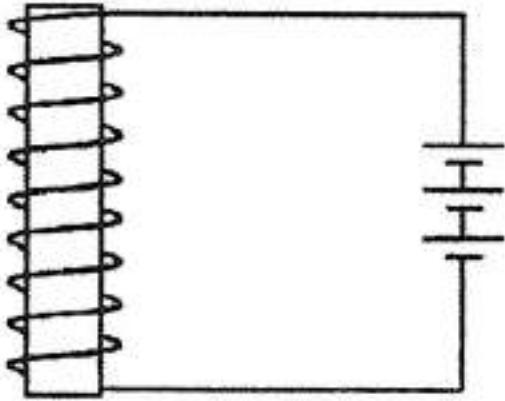
2 pts

The iron rods used in each of the following set-ups are identical.  
Which set-up will attract the most number of iron nails?

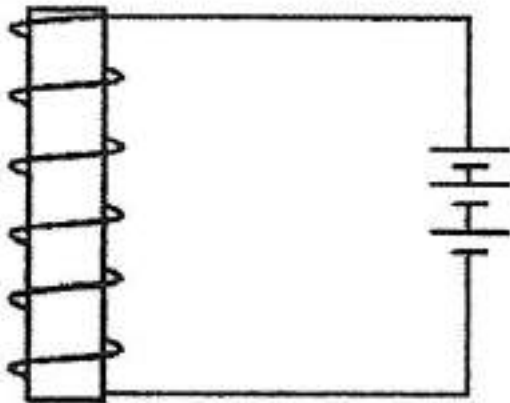
A)



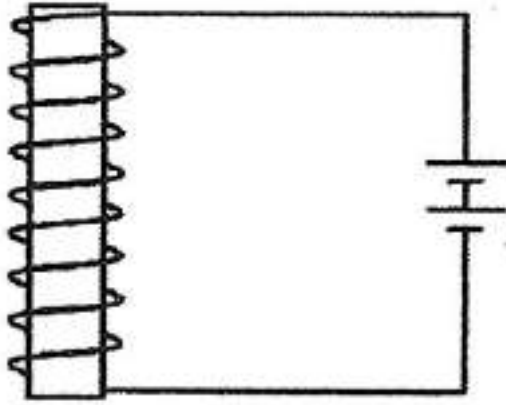
✓ B)



C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,728

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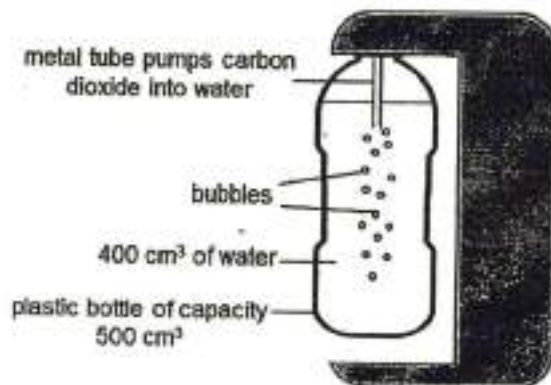
## Question 22

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Alan has a soda-making-machine at home. To make a bottle of soda, he filled a container of capacity  $500 \text{ cm}^3$  with  $400 \text{ cm}^3$  of water and placed it into the machine.

Alan then switched on the machine. The metal tube will pump  $300 \text{ cm}^3$  of air into the bottle of water. Bubbles were seen in the water.



What is the volume of air in the bottle?

- ✓ A)  $100 \text{ cm}^3$
- B)  $200 \text{ cm}^3$
- C)  $300 \text{ cm}^3$
- D)  $400 \text{ cm}^3$

**Question Type:** Multiple Choice

Randomize Answers: No  
Date Added: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,729

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## Question 23

Primary 5 Science » Primary 5 Science (Term 2)

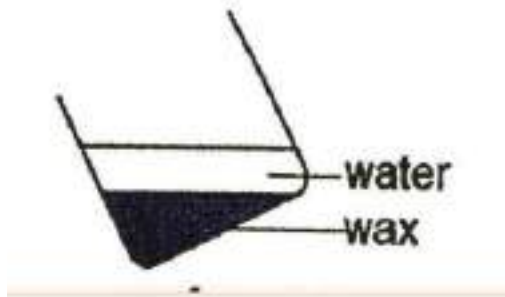
2 pts

Anne melted some wax, which has a melting point of  $37\text{ }^{\circ}\text{C}$ , in a beaker. It was then left to cool at room temperature. The next day, she added cold water at  $20\text{ }^{\circ}\text{C}$  into the same beaker. She recorded her observation in the following diagram.

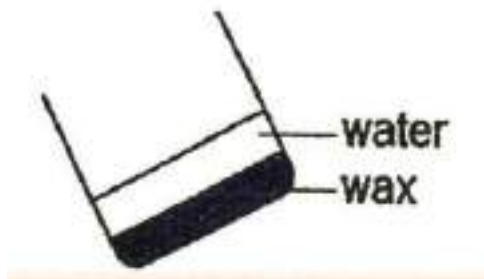


She then tilted the beaker slightly. Which one of the following diagrams correctly shows the content in the beaker when the beaker is tilted?

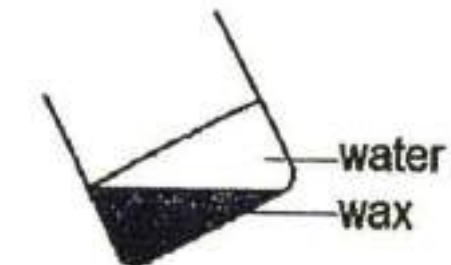
A)



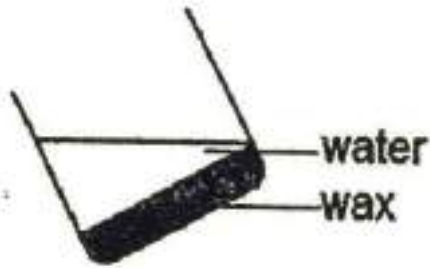
B)



C)



✓ D)



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,730

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

[Remove From Test](#)

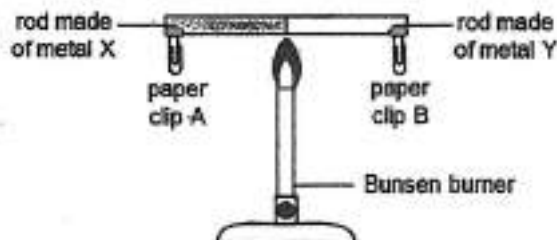
## Question 24

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Nila set up an experiment to find out which metal, X or Y, could conduct heat better.

She attached identical paper clips, A and B, at both ends of a rod made of metal X and Y respectively with candle wax. She heated the rod in the middle with a Bunsen burner as shown in the diagram below.



She conducted the experiment three times and recorded the time taken for each paper clip to drop. The results are as shown in the table below.

Pin	Time taken for the pin to drop (second)		
	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading
A	77	75	76
B	57	60	58

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

- A Metal X gains heat faster than Metal Y.
- B Metal Y gains heat faster than Metal X.
- C Metal X is a better conductor of heat than Metal Y.
- D Metal X is a poorer conductor of heat than Metal Y.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,731

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

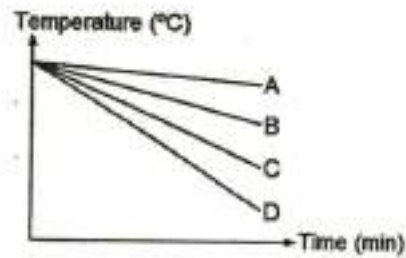
[Remove From Test](#)

## Question 25

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Melvin poured an equal amount of hot water of the same temperature into containers A, B, C and D. The temperature of hot water in each container is measured over a period of time. The graph below shows the results.



If Melvin is going on a picnic, and he wants to keep his ice cream cold for a longer period of time, which container should he used?

- ✓ A) A
- B) B
- C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,732

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

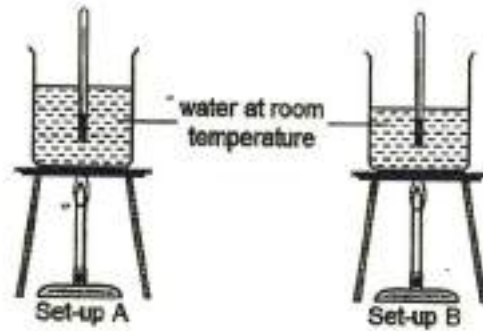
[Remove From Test](#)

## Question 26

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows two experimental set-ups.



Both beakers are heated until the water is boiling. Which of the following statements are true?

- A The water in Set-up A is hotter than that in Set-up B.
- B The water in Set-up A has more heat energy than that in Set-up B.
- C The water in both set-ups contains the same amount of heat energy.
- D The water in the set-ups will reach room temperature at different time after the Bunsen burners are removed at the same time.

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

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,733

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

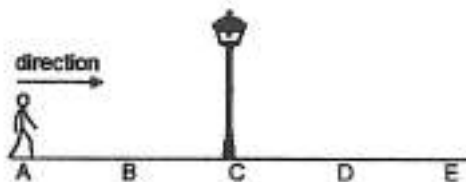
[Remove From Test](#)

## Question 27

Primary 5 Science » Primary 5 Science (Term 2)

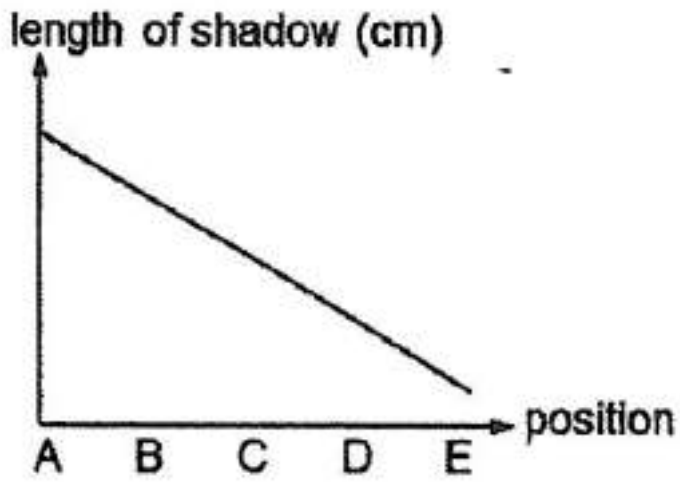
2 pts

Muthu walked past a lit street lamp from position A to E on a dark night as shown in the diagram below.

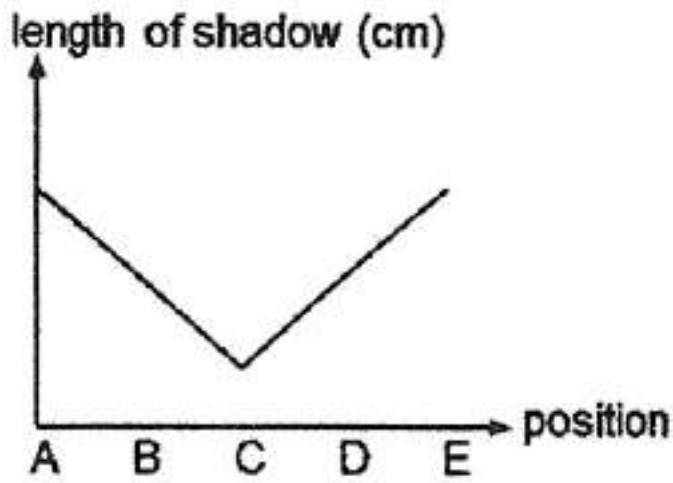


Which one of the following graphs shows the length of his shadow when he walked past the lit street from position A to E?

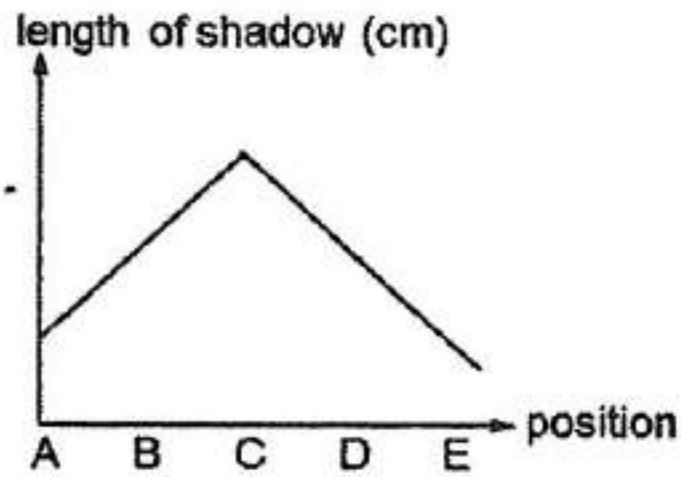
A)



✓ B)

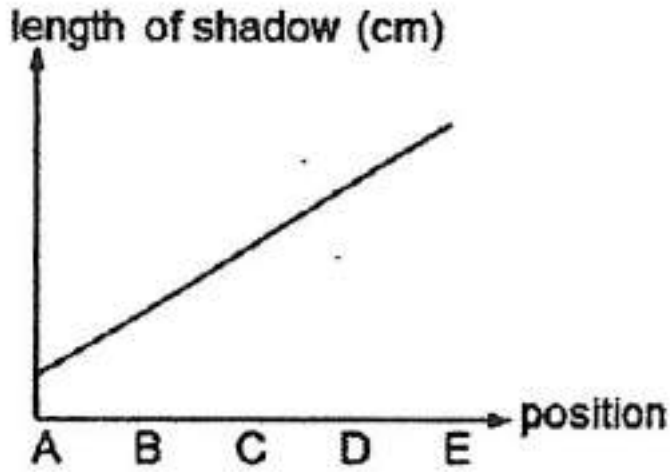


c)



D)





Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,734

Answers | Edit | Duplicate | Used In | Reorder

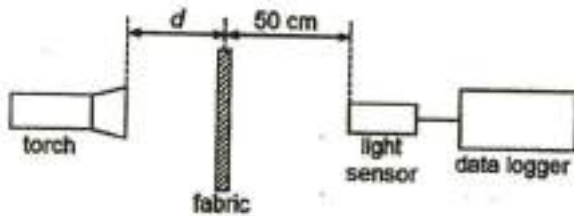
Remove From Test

### Question 28

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Ah Meng wanted to make curtains to reduce the amount of light entering his bedroom. He conducted an experiment on 4 types of fabric, A, B, C and D.



The results are as shown. Which fabric should he choose to make curtains for his bedroom?

A)

Fabric	d, distance between the fabric and light source (cm)	Distance between the fabric and light detector (cm)	Amount of light detected (lux)
A	65	50	500

B)

Fabric	d, distance between the fabric and light source (cm)	Distance between the fabric and light detector (cm)	Amount of light detected (lux)
B	30	50	500

✓ C)

Fabric	d, distance between the fabric and light source (cm)	Distance between the fabric and light detector (cm)	Amount of light detected (lux)
C	15	50	500

D)	Fabric	d, distance between the fabric and light source (cm)	Distance between the fabric and light detector (cm)	Amount of light detected (lux)
D		50	50	500

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,735

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

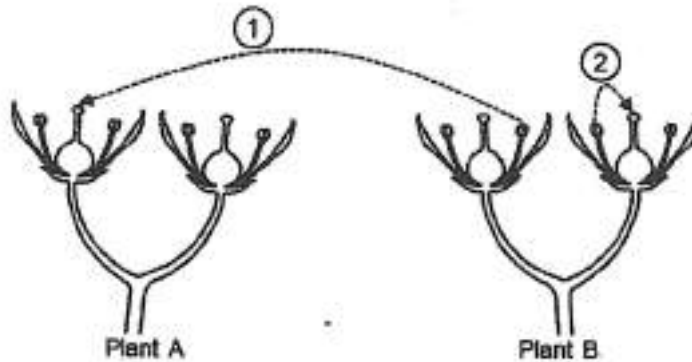
[Remove From Test](#)

## Question 29

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram below shows the flowers of two plants, A and B, of the same species. The two arrows, (1) and (2), show the process of pollination in the plants.



What is the type of pollination represented by 1? Explain your answer.

### Accepted answers:

- ✓ Cross pollination.
- ✓ Cross Pollination
- ✓ Cross-pollination
- ✓ Cross - pollination

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,774

### Correctly answered feedback

Cross pollination. The pollen grains of flower on plant B is transferred to the stigma of flower plant A.

### Incorrectly answered feedback

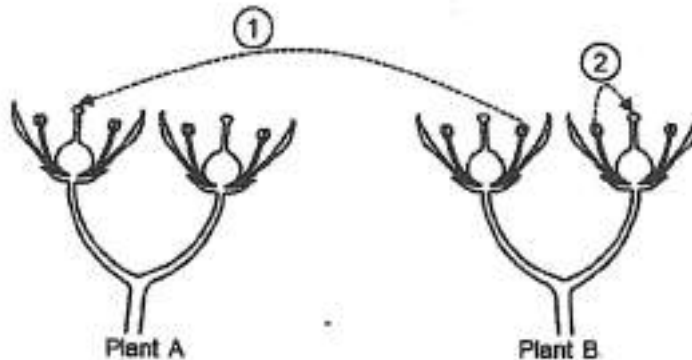
Cross pollination. The pollen grains of flower on plant B is transferred to the stigma of flower plant A.

**Question 30**

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram below shows the flowers of two plants, A and B, of the same species. The two arrows, ① and ②, show the process of pollination in the plants.



What is the type of pollination represented by 2? Explain your answer.

**Accepted answers:**

- ✓ Self-pollination
- ✓ Self - pollination

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,763

**Correctly answered feedback**

Self-pollination. The pollen grains are transferred from the anther to the stigma of the same flower.

**Incorrectly answered feedback**

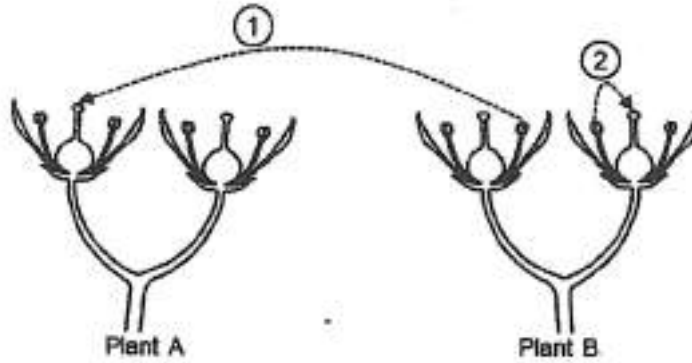
Self-pollination. The pollen grains are transferred from the anther to the stigma of the same flower.

**Question 31**

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows the flowers of two plants, A and B, of the same species. The two arrows, ① and ②, show the process of pollination in the plants.



Will the flowers develop into fruits immediately after pollination? Explain your answer. (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,741

**Correctly answered feedback**

**No. There would still be fertilization and the petals will also slowly wither off before developing into fruits.**

**Incorrectly answered feedback**

**No. There would still be fertilization and the petals will also slowly wither off before developing into fruits.**

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

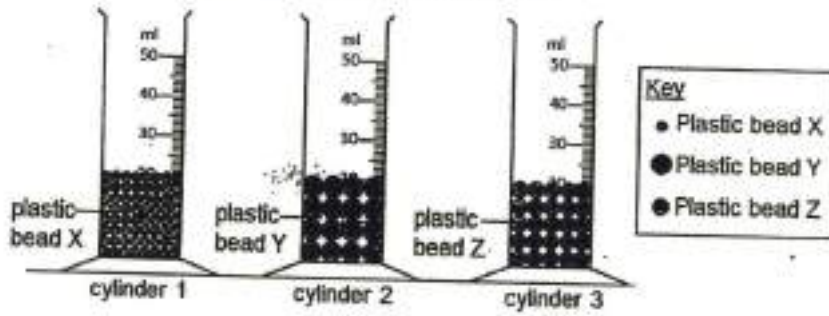
[Remove From Test](#)

## Question 32

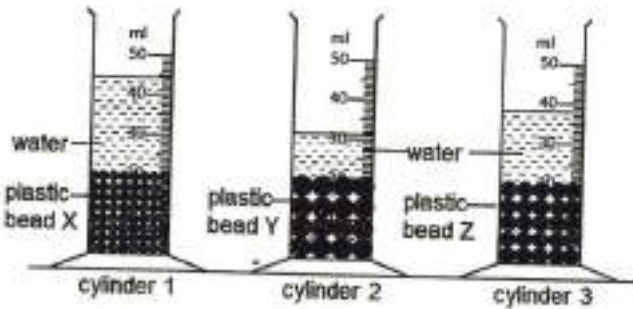
Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Three identical measuring cylinders were filled with equal volume of plastic beads X, Y and Z, as shown in the diagram below.



30 ml of water was poured into each of the cylinders at the same time. The diagram below shows the observation one hour after the water was poured into the measuring cylinders.



Explain why the total volume in cylinder 1 was less than 50 ml after the water was poured in. (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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,742

**Correctly answered feedback**

**There are air spaces between the plastic beads. Water will occupy these spaces when it is poured into the beaker.**

**Incorrectly answered feedback**

**There are air spaces between the plastic beads. Water will occupy these spaces when it is poured into the beaker.**

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

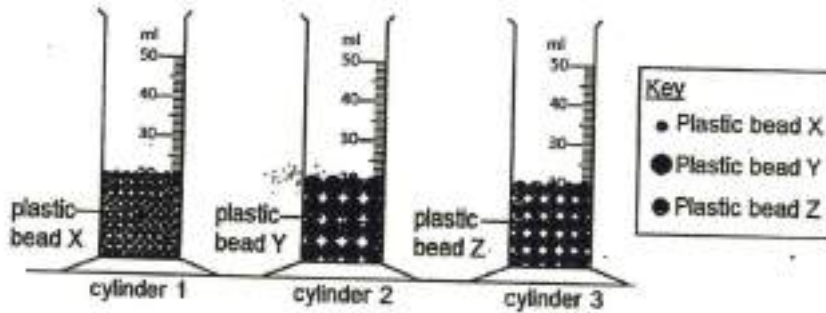
[Remove From Test](#)

## Question 33

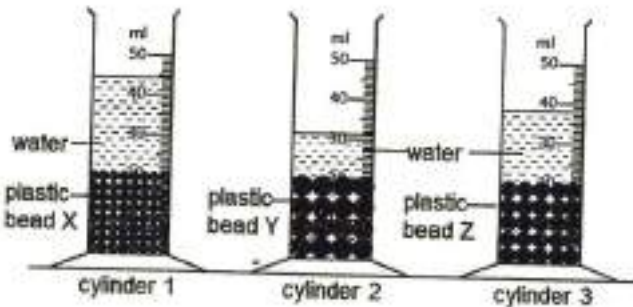
Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Three identical measuring cylinders were filled with equal volume of plastic beads X, Y and Z, as shown in the diagram below.



30 ml of water was poured into each of the cylinders at the same time. The diagram below shows the observation one hour after the water was poured into the measuring cylinders.



Compare and explain the difference in the water level in cylinders 2 and 3. (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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,743

**Correctly answered feedback**

**Y is bigger than Z therefore giving bigger spaces between each other allowing more water to flow between them and the volume of water will be less than Z.**

**Incorrectly answered feedback**

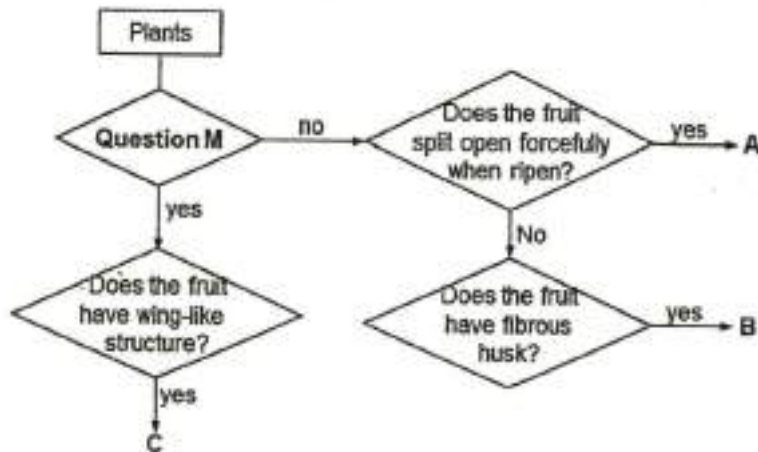
**Y is bigger than Z therefore giving bigger spaces between each other allowing more water to flow between them and the volume of water will be less than Z.**

## Question 34

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Study the flowchart below carefully.



What is Question M? (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,745

**Correctly answered feedback**

Is the fruit dispersed by wind?

**Incorrectly answered feedback**

Is the fruit dispersed by wind?

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

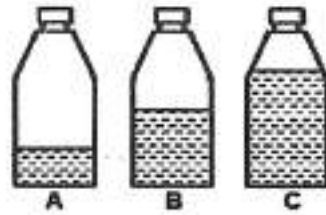
[Remove From Test](#)

## Question 35

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Three identical 200 cm<sup>3</sup> plastic bottles were filled with different amount of water. They were sealed and placed into the freezer for 24 hours.



The volume of ice formed in each bottle was measured and recorded in the table below.

Bottle	Volume of water (cm <sup>3</sup> )	Volume of ice (cm <sup>3</sup> )
A	50	57
B	100	109
C	150	164

What happened to the volume of water when it was frozen? Explain your answer based on the results. [1]

*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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,746

**Correctly answered feedback**

The volume of ice formed is greater than that of water before freezing.

**Incorrectly answered feedback**

The volume of ice formed is greater than that of water before freezing.

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

[Remove From Test](#)

## Question 36

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Lionel planted 30 identical water plants in each of the four tanks. Each tank was filled with equal amount of water taken from different rivers, W, X, Y and Z, and placed at the same location.

He removed the dead water plants from each tank and counted the number of water plants left in each tank after every 10 days. The results are as shown in the table below.

Water taken from river	Number of water plants left in tank			
	Day 0	Day 10	Day 20	Day 30
W	30	30	30	30
X	30	20	13	3
Y	30	25	21	15
Z	30	22	15	9

Is this experiment a fair test? Explain your answer. (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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,744

**Correctly answered feedback**

**Yes, there is only one changed variable in the experiment which is the type of water taken from the plant.**

**Incorrectly answered feedback**

**Yes, there is only one changed variable in the experiment which is the type of water taken from the plant.**

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

[Remove From Test](#)

## Question 37

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Lionel planted 30 identical water plants in each of the four tanks. Each tank was filled with equal amount of water taken from different rivers, W, X, Y and Z, and placed at the same location.

He removed the dead water plants from each tank and counted the number of water plants left in each tank after every 10 days. The results are as shown in the table below.

Water taken from river	Number of water plants left in tank			
	Day 0	Day 10	Day 20	Day 30
W	30	30	30	30
X	30	20	13	3
Y	30	25	21	15
Z	30	22	15	9

Suggest a reason why water is important to the life processes of a plant. (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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,747

**Correctly answered feedback**

**Water allows the roots of the plant to absorb water to be transported by the stem to the leaves to that it can make sufficient food in the process of photosynthesis for the plant.**

*Incorrectly answered feedback*

**Water allows the roots of the plant to absorb water to be transported by the stem to the leaves to that it can make sufficient food in the process of photosynthesis for the plant.**

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

[Remove From Test](#)

## Question 38

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

Lionel planted 30 identical water plants in each of the four tanks. Each tank was filled with equal amount of water taken from different rivers, W, X, Y and Z, and placed at the same location.

He removed the dead water plants from each tank and counted the number of water plants left in each tank after every 10 days. The results are as shown in the table below.

Water taken from river	Number of water plants left in tank			
	Day 0	Day 10	Day 20	Day 30
W	30	30	30	30
X	30	20	13	3
Y	30	25	21	15
Z	30	22	15	9

Which river is the most polluted? Explain your answer based on the above results.

Accepted answers:

- ✓ River X
- ✓ X

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,777

*Correctly answered feedback*

River X. The number of plants after ten days was the least.

**Incorrectly answered feedback**

River X. The number of plants after ten days was the least.

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

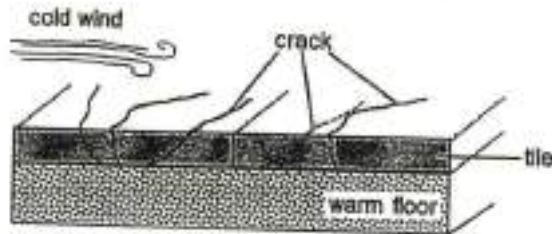
[Remove From Test](#)

**Question 39**

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

When the weather became very cold suddenly, cracks appeared in some tiles in the house.



Explain how the sudden change in temperature caused the tiles to crack. [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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,748

**Correctly answered feedback**

**The sudden change in temperature caused the tiles to crack as the tiles gained heat from the warm floor and expanded making the tiles become bigger and when they become too big, the tiles will crack. The difference in temperature caused the tile to expand and contract at the same time that resulted in cracks.**

**Incorrectly answered feedback**

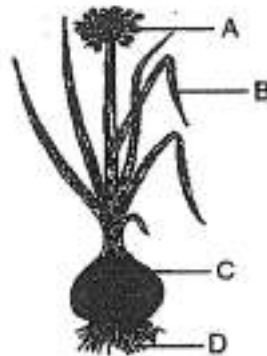
**The sudden change in temperature caused the tiles to crack as the tiles gained heat from the warm floor and expanded making the tiles become bigger and when they become too big, the tiles will crack. The difference in temperature caused the tile to expand and contract at the same time that resulted in cracks.**

**Question 40**

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram below shows the parts of a spring onion plant.



The magnified cell below is taken from a certain part of the plant.



Which part of the plant, A, B, C or D is the cell most likely taken from? Explain your answer.

Accepted answers:

- ✓ B
- ✓ Part B

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,767

*Correctly answered feedback*

**B. It has chloroplast and leaves have chloroplast that contains chlorophyll to trap sunlight in the process of photosynthesis.**

*Incorrectly answered feedback*

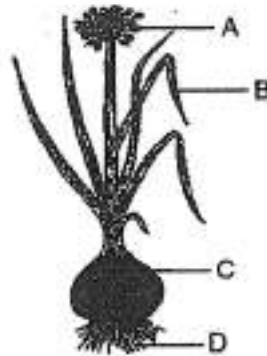
**B. It has chloroplast and leaves have chloroplast that contains chlorophyll to trap sunlight in the process of photosynthesis.**

**Question 41**

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows the parts of a spring onion plant.



The magnified cell below is taken from a certain part of the plant.



Why is the cell unable to survive if part T is removed? (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,754

**Correctly answered feedback**

**Part T is the nucleus and controls all activities and contains genetic information that is passed down from one generation to the other. Without part T, all activities cannot take place.**

**Incorrectly answered feedback**

**Part T is the nucleus and controls all activities and contains genetic information that is passed down from one generation to the other. Without part T, all activities cannot take place.**

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

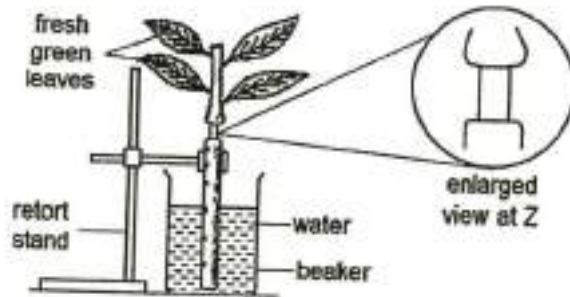
[Remove From Test](#)

## Question 42

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sam set up an experiment as shown below. He removed the outer ring of the stem at Z.



After four days, he observed that the stem above Z was swollen but not the stem below. Explain why. (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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,755

### Correctly answered feedback

**Sam has removed the phloem so food made in the leaves above Z cannot be transported to the roots but accumulated causing it to swell.**

### Incorrectly answered feedback

**Sam has removed the phloem so food made in the leaves above Z cannot be transported to the roots but accumulated causing it to swell.**

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

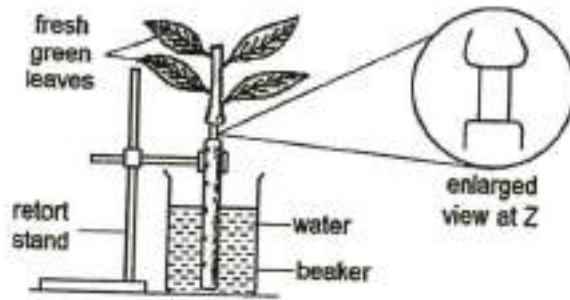
[Remove From Test](#)

## Question 43

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sam set up an experiment as shown below. He removed the outer ring of the stem at Z.



Why was the plant able to survive even after the outer ring was removed? (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,757

**Correctly answered feedback**

**The food carrying tubes were not but the removed but the water carrying tubes were not removed allowing the plant to have sufficient water and still survive.**

**Incorrectly answered feedback**

**The food carrying tubes were not but the removed but the water carrying tubes were not removed allowing the plant to have sufficient water and still survive.**

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

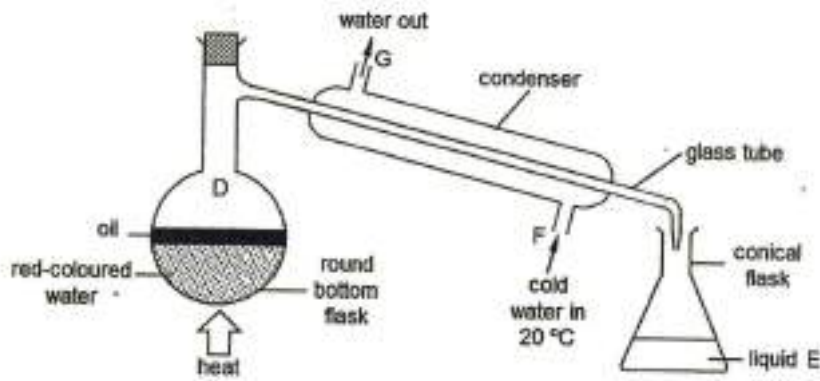
[Remove From Test](#)

## Question 44

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

A flask containing oil and red-coloured water was heated continuously for half an hour.



What is the difference between evaporation and boiling? (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: Thu 5th Aug 2021

Last Modified: N/A

QID#: 28,627,753

#### Correctly answered feedback

Evaporation can occur at any temperature and boiling occurs at the boiling point.

#### Incorrectly answered feedback

Evaporation can occur at any temperature and boiling occurs at the boiling point.

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

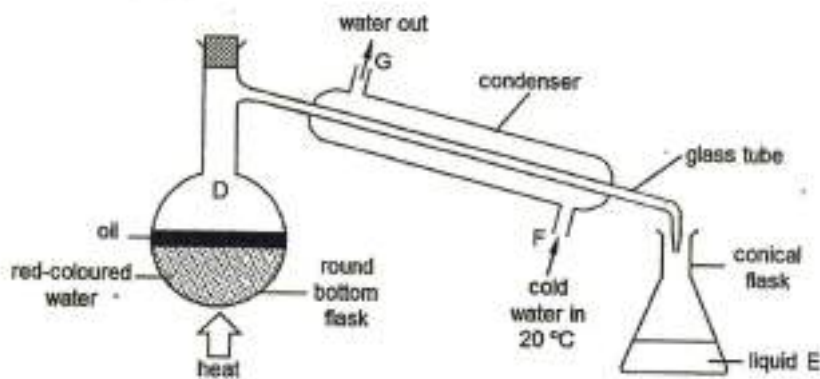
[Remove From Test](#)

## Question 45

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

A flask containing oil and red-coloured water was heated continuously for half an hour.



Explain how matter D changed its state when it passed down the glass tube of the condenser. (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,756

**Correctly answered feedback**

**When D is passed down the condenser, it comes into contact with the cooler surface of it, loses heat to it and condenses to form water droplets.**

**Incorrectly answered feedback**

**When D is passed down the condenser, it comes into contact with the cooler surface of it, loses heat to it and condenses to form water droplets.**

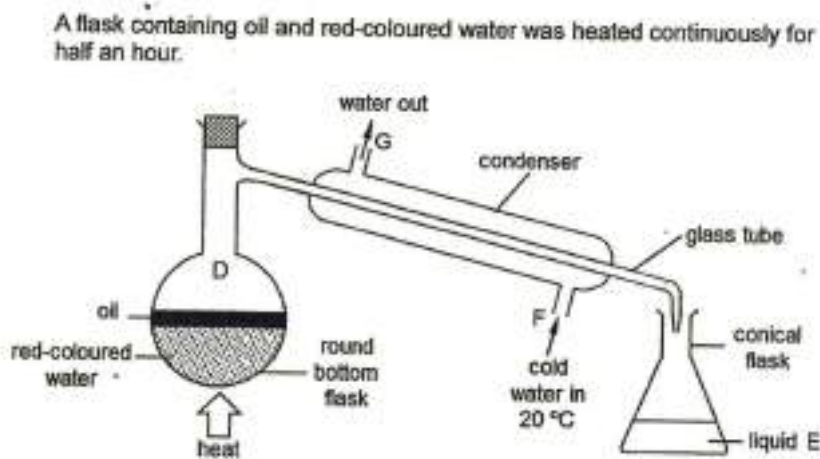
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

## Question 46

Primary 5 Science » Primary 5 Science (Term 2)

0 pts



Cold water at 20°C flowed into the condenser at F and flowed out of the condenser at G.

Would the temperature of water at G be higher or lower than that at F?  
 Explain the change in temperature. (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: Thu 5th Aug 2021

Last Modified: N/A  
QID#: 28,627,758

**Correctly answered feedback**

**The temperature would be higher. The water that entered at F gained heat and its temperature increased as it left G.**

**Incorrectly answered feedback**

**The temperature would be higher. The water that entered at F gained heat and its temperature increased as it left G.**

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

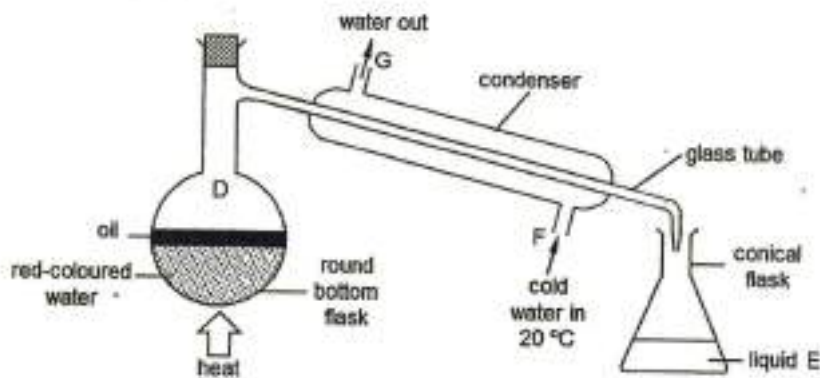
[Remove From Test](#)

## Question 47

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

A flask containing oil and red-coloured water was heated continuously for half an hour.



Cold water at 20°C flowed into the condenser at F and flowed out of the condenser at G.

What happened if the heat source was removed after half an hour? Explain your answer. (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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,760

**Correctly answered feedback**

**Less liquid E will be collected due to reduced rate of evaporation. The water in round bottom flask would still be able to evaporate because evaporation occurs at any temperature. After the liquids in the round bottom flask cooled, the oil floated on top of the red-coloured water. Water could not evaporate because its surrounded by oil.**

*Incorrectly answered feedback*

**Less liquid E will be collected due to reduced rate of evaporation. The water in round bottom flask would still be able to evaporate because evaporation occurs at any temperature. After the liquids in the round bottom flask cooled, the oil floated on top of the red-coloured water. Water could not evaporate because its surrounded by oil.**

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

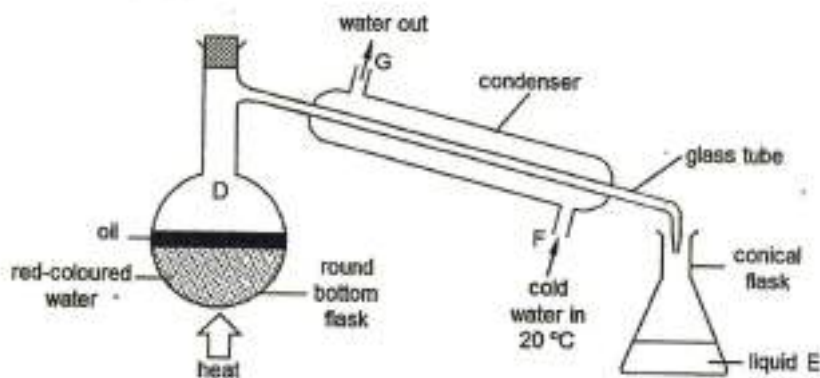
[Remove From Test](#)

## Question 48

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

A flask containing oil and red-coloured water was heated continuously for half an hour.



What is liquid E which is collected in the conical flask?

Accepted answers:

✓ Water

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,769

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

[Remove From Test](#)

## Question 49

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram below shows two cells, X and Y.



Which cell, X or Y, is taken from a plant? Give a reason for your answer.

Accepted answers:

- ✓ Cell Y
- ✓ Y

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,764

**Correctly answered feedback**

**Cell Y. All plant cell have cell walls to prevent the cell from bursting and giving the cell a regular shape while X does not.**

**Incorrectly answered feedback**

**Cell Y. All plant cell have cell walls to prevent the cell from bursting and giving the cell a regular shape while X does not.**

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

[Remove From Test](#)

## Question 50

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows two cells, X and Y.

cell X



cell Y



An experiment was carried out on cells X and Y to find out what happened when they were placed in an equal amount of water for two days. The diagram below describes the results of the experiment.

cell X when placed in water



cell swells and bursts

cell Y when placed in water



cell stiffens but keeps its shape

Why does cell X burst but not cell Y at the end of the experiment?

[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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,750

**Correctly answered feedback**

**Cell X is an animal cell and does not have a cell wall while Y, a plant cell has a cell wall. The cell wall prevents the cell from bursting. Thus, X burst while Y did not.**

**Incorrectly answered feedback**

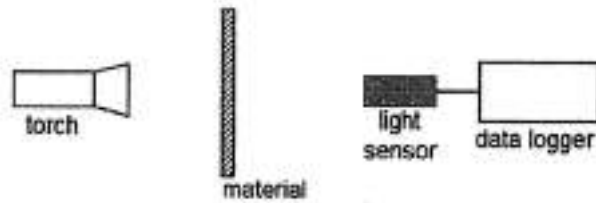
**Cell X is an animal cell and does not have a cell wall while Y, a plant cell has a cell wall. The cell wall prevents the cell from bursting. Thus, X burst while Y did not.**

## Question 51

Primary 5 Science » Primary 5 Science (Term 2)

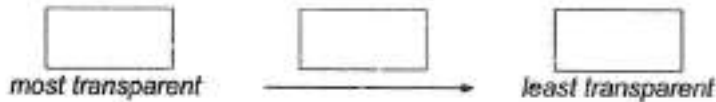
1 pt

Ali measured the amount of light that passes through materials A, B and C. The readings are as shown in the table below.



Material	Amount of light that passes through (lux)
A	300
B	100
C	700

Rank the transparency of material by writing letters A, B and C in the boxes below. [1]



Accepted answers:

- ✓ C , A , B
- ✓ C, A, B
- ✓ C A B
- ✓ C,A,B

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,765

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

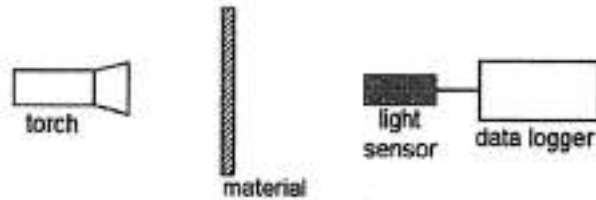
[Remove From Test](#)

## Question 52

Primary 5 Science » Primary 5 Science (Term 2)

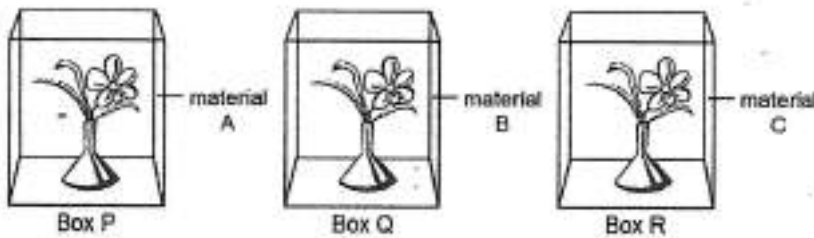
0 pts

Ali measured the amount of light that passes through materials A, B and C. The readings are as shown in the table below.



Material	Amount of light that passes through (lux)
A	300
B	100
C	700

Ali made 3 boxes, P, Q and R, with the three materials and placed a vase filled with an equal amount of water into each box. Each vase contains an identical stalk of flower. The boxes were placed in a shady location.



In which box will the stalk of flower wither first after a week?  
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: Thu 5th Aug 2021  
Last Modified: N/A  
QID#: 28,627,751

**Correctly answered feedback**

**Box Q. Material B allows the least amount of light to pass through it. The flower in Q will not get enough light to make food in the process of photosynthesis. Thus, it withered and died.**

**Incorrectly answered feedback**

**Box Q. Material B allows the least amount of light to pass through it. The flower in Q will not get enough light to make food in the process of photosynthesis. Thus, it withered and died.**

**Question 53**

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Ten years ago, plants A, B and C were found growing on Island S but none grew on Island T.

The two fruits below, X and Y, could be found on Island S.



Which fruit, X or Y, would be dispersed close to the parent plant?  
Explain your answer.

[1]

*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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,749

**Correctly answered feedback**

Fruit Y is pod-like. When the fruit splits open, the seeds will be scattered around the parent plant.

**Incorrectly answered feedback**

Fruit Y is pod-like. When the fruit splits open, the seeds will be scattered around the parent plant.

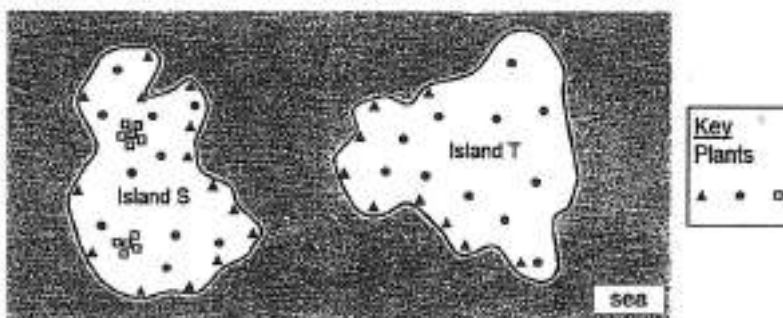
**Question 54**

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

One year ago, scientists found plants growing on Island T and believe that these plants originated from Island S.

The diagram below shows the location of the plants on Island S and Island T.



Which plants, A, B and/or C, would be found growing on Island T? Explain your answer.

**Accepted answers:**



- ✓ B
- ✓ plant B

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,766

**Correctly answered feedback**

**B. The fruit has a fibrous husk allowing it to stay afloat in the water to be dispersed from the parent plant to island T. Its fruits have wing like structures which allows it to stay afloat in the air over to island T.**

**Incorrectly answered feedback**

**B. The fruit has a fibrous husk allowing it to stay afloat in the water to be dispersed from the parent plant to island T. Its fruits have wing like structures which allows it to stay afloat in the air over to island T.**

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

[Remove From Test](#)

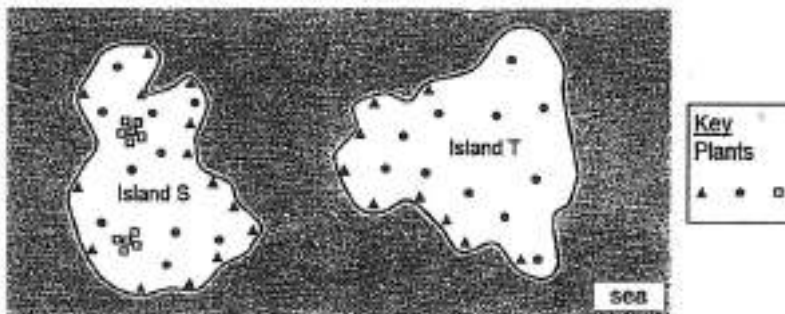
## Question 55

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

One year ago, scientists found plants growing on Island T and believe that these plants originated from Island S.

The diagram below shows the location of the plants on Island S and Island T.



Explain the importance of seed dispersal for the survival of young plants. (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: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,752

**Correctly answered feedback**

**Seed dispersal is important to avoid overcrowding and competition between the parent plant and seedlings for sunlight, water, oxygen and nutrients, ensuring the continuity of our kind.**

**Incorrectly answered feedback**

**Seed dispersal is important to avoid overcrowding and competition between the parent plant and seedlings for sunlight, water, oxygen and nutrients, ensuring the continuity of our kind.**

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

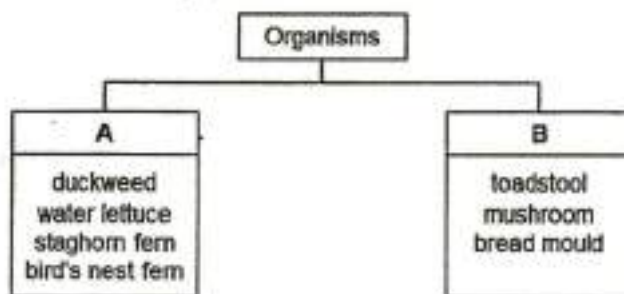
[Remove From Test](#)

## Question 56

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

Naomi found some organisms and classified them into two groups as shown below.



Which group of organisms do A represent?

Group A: \_\_\_\_\_

**Accepted answers:**

- ✓ Plants
- ✓ Group A: Plants
- ✓ Group A : Plants
- ✓ A: Plants
- ✓ A : plants

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,768

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

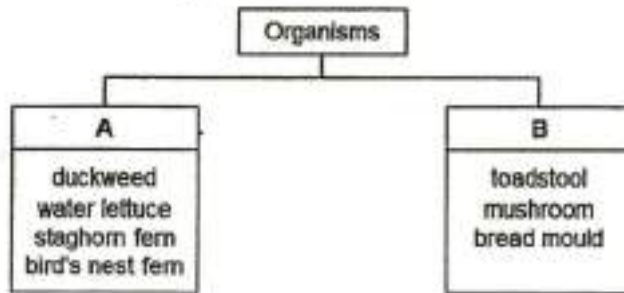
[Remove From Test](#)

## Question 57

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

Naomi found some organisms and classified them into two groups as shown below.



Which group of organisms do B represent?

Group B: \_\_\_\_\_

**Accepted answers:**

- ✓ Fungi
- ✓ Group B : Fungi
- ✓ Group B: Fungi
- ✓ B: fungi
- ✓ B : Fungi

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,771

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

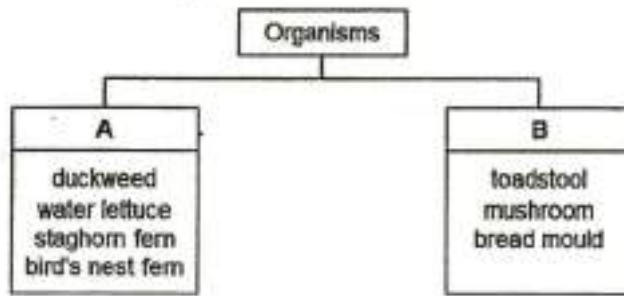
[Remove From Test](#)

## Question 58

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Naomi found some organisms and classified them into two groups as shown below.



Naomi classified moss in the same group as bread mould. Is she correct? Explain your answer based on the way the organisms obtain nutrients. (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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,759

**Correctly answered feedback**

No. Moss can make its own food but bread mould does not.

**Incorrectly answered feedback**

No. Moss can make its own food but bread mould does not.

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

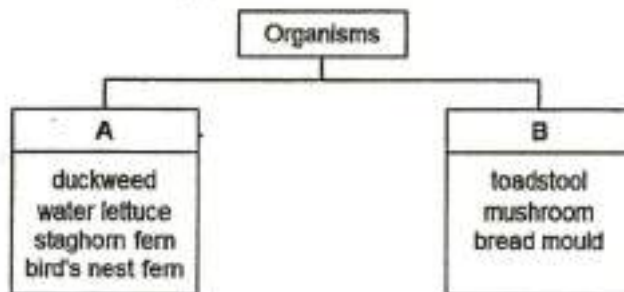
[Remove From Test](#)

## Question 59

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Naomi found some organisms and classified them into two groups as shown below.



Suggest how the organisms in Group A can be further classified into two groups based on their characteristics. (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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,761

**Correctly answered feedback**

They can be further classified by whether they reproduce by spores or seeds.

**Incorrectly answered feedback**

They can be further classified by whether they reproduce by spores or seeds.

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

[Remove From Test](#)

**Question 60**

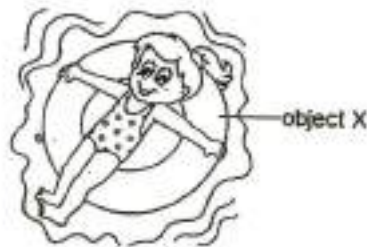
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

or  
 Four materials J, K, L and M of equal mass were pushed into a container of water for 15 minutes. They were removed from the container and weighed. The readings are as shown in the table below.

Material	Mass of material (g)	
	At the start of experiment	At the end of experiment
J	50	75
K	50	50
L	50	63
M	50	68

The diagram below shows object X which is commonly used by children in the swimming pool.



Which of the materials, J, K, L and M, is most suitable for making object X?  
 Explain your answer based on the results above.

**Accepted answers:**

- ✓ K
- ✓ Material K

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,770

**Correctly answered feedback**

K. It does not absorb water and since it is used in a swimming pool used by children, it should be waterproof.

**Incorrectly answered feedback**

K. It does not absorb water and since it is used in a swimming pool used by children, it should be waterproof.

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

[Remove From Test](#)

## Question 61

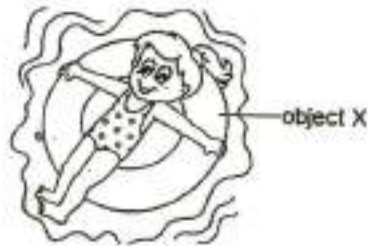
Primary 5 Science » Primary 5 Science (Term 2)

1 pt

Four materials J, K, L and M of equal mass were pushed into a container of water for 15 minutes. They were removed from the container and weighed. The readings are as shown in the table below.

Material	Mass of material (g)	
	At the start of experiment	At the end of experiment
J	50	75
K	50	50
L	50	63
M	50	68

The diagram below shows object X which is commonly used by children in the swimming pool.



Besides the property identified in the previous question, state two other properties that the material should have for making object X.

### Accepted answers:

- ✓ Light and flexible
- ✓ Flexible and light
- ✓ Light, Flexible
- ✓ Flexible, Light

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,772

### Correctly answered feedback

Light and flexible.

### Incorrectly answered feedback

Light and flexible.

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

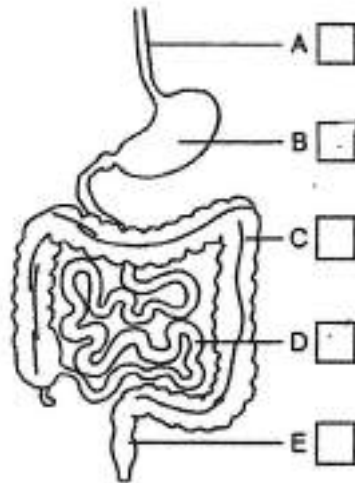
[Remove From Test](#)

## Question 62

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

The diagram below shows some organs, A, B, C, D and E, of the human digestive system.



Refer to the diagram and answer the following questions.

In which organ, A, B, C, D or E, does the digestion of food end?

**Accepted answers:**

- ✓ D
- ✓ Organ D

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,773

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

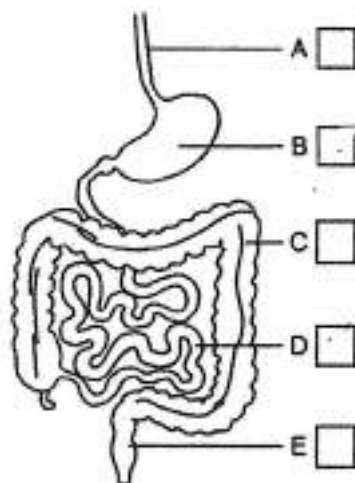
[Remove From Test](#)

## Question 63

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

The diagram below shows some organs, A, B, C, D and E, of the human digestive system.



Choose A, B, C, D and/or E, where digestive juices are produced.

- A) A
- B) B

- ✓
- C) C
- ✓ D) D
- E) E

**Question Type:** Multiple Response  
**Randomize Answers:** No  
**Grade style:** Full points if all answers are correct  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,778

**Correctly answered feedback**

B - stomach  
 D - small intestine

**Incorrectly answered feedback**

B - stomach  
 D - small intestine

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

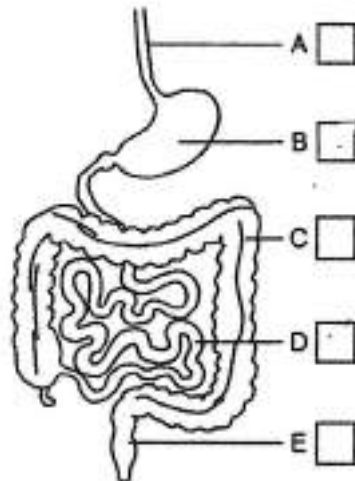
[Remove From Test](#)

## Question 64

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows some organs, A, B, C, D and E, of the human digestive system.



How does the mouth help in the process of digestion? (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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,738

**Correctly answered feedback**



**Food is chewed up in the mouth then it is mixed with saliva which broke down the food into simpler substances.**

*Incorrectly answered feedback*

**Food is chewed up in the mouth then it is mixed with saliva which broke down the food into simpler substances.**

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

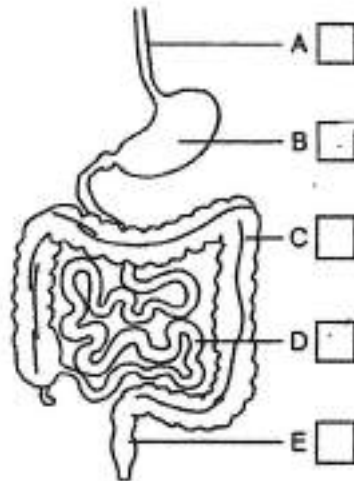
[Remove From Test](#)

## Question 65

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows some organs, A, B, C, D and E, of the human digestive system.



Describe the function of organ 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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,739

*Correctly answered feedback*

The function of A is to transport undigested food from the mouth to the stomach.

*Incorrectly answered feedback*

The function of A is to transport undigested food from the mouth to the stomach.

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

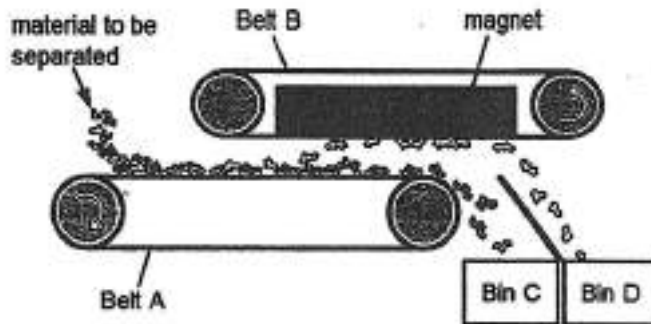
[Remove From Test](#)

## Question 66

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

Mr Lin built a system to separate different types of material. The items to be separated were poured onto a moving conveyor Belt A. Belt B would attract some items and drop them into Bin D. Belt A would move the other items into Bin C.



What is the property of the materials that would enable them to be separated into Bin C and Bin D?

Bin C: \_\_\_\_\_

Accepted answers:

- ✓ Non-magnetic materials
- ✓ Non - Magnetic Materials

Question Type: Free Text  
 Date Added: Thu 5th Aug 2021  
 Last Modified: N/A  
 QID#: 28,627,775

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

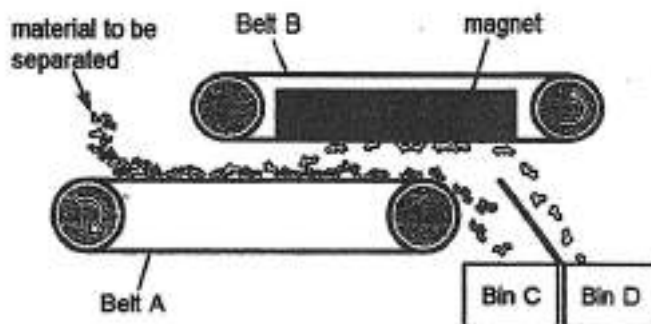
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## Question 67

Primary 5 Science » Primary 5 Science (Term 2)

0.5 pts

Mr Lin built a system to separate different types of material. The items to be separated were poured onto a moving conveyor Belt A. Belt B would attract some items and drop them into Bin D. Belt A would move the other items into Bin C.



What is the property of the materials that would enable them to be separated into Bin C and Bin D?

Bin D: \_\_\_\_\_

Accepted answers:

- ✓ Magnetic materials

**Question Type:** Free Text  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,776

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

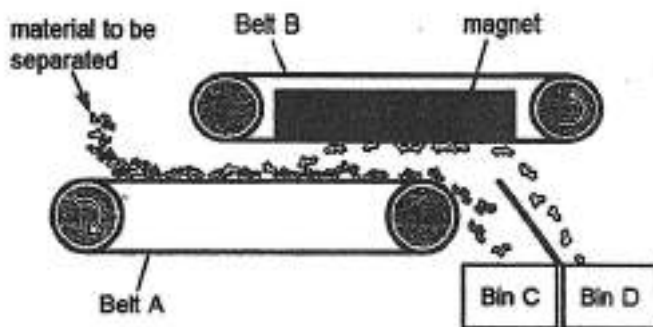
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## Question 68

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Mr Lin built a system to separate different types of material. The items to be separated were poured onto a moving conveyor Belt A. Belt B would attract some items and drop them into Bin D. Belt A would move the other items into Bin C.



Mr Lin found the following items and poured them onto Belt A.

nickel coins	plastic discs	copper wire
steel nails	ceramic chips	glass beads

What would be the items collected in Bin D? (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,762

### Correctly answered feedback

Nickel coins and steel nails.

### Incorrectly answered feedback

Nickel coins and steel nails.

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

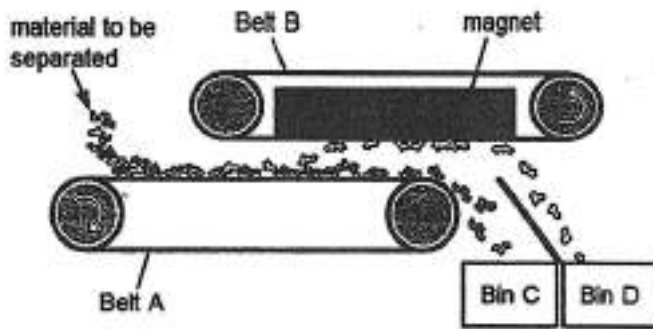
[Remove From Test](#)

## Question 69

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Mr Lin built a system to separate different types of material. The items to be separated were poured onto a moving conveyor Belt A. Belt B would attract some items and drop them into Bin D. Belt A would move the other items into Bin C.



Mr Lin found the following items and poured them onto Belt A.

nickel coins	plastic discs	copper wire
steel nails	ceramic chips	glass beads

Would this system be able to separate metallic and non-metallic materials? Explain your answer. ( 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:** Thu 5th Aug 2021  
**Last Modified:** N/A  
**QID#:** 28,627,740

**Correctly answered feedback**

No. Not all metals are magnetic materials and can be attracted by a magnet.

**Incorrectly answered feedback**

No. Not all metals are magnetic materials and can be attracted by a magnet.

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