


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

Add Questions

Assign

Settings

Review

 Duplicate Print Delete Assign Test**Test Introduction**[+ Add Introduction](#)**65 Questions** (67 Points)Question Bank: 9,275 Questions 

Test Questions

0 Test Assignments

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 so make your choice (A, B, C or D) and choose the correct answer. (56 marks)

Four pupils Aida, Becky, Candice and Denise stated the importance of nucleus in cells as follows:

Aida: It stores genetic information for cell.

Becky: It allows substances to move within the cell.

Candice: It controls activities that happen in the cell.

Denise: It controls which substances can enter and leave the cell.

Whose statements are true about nucleus?

- A)** Aida and Candice only
- B)** Becky and Denise only
- C)** Candice and Denise only
- D)** Aida and Becky only

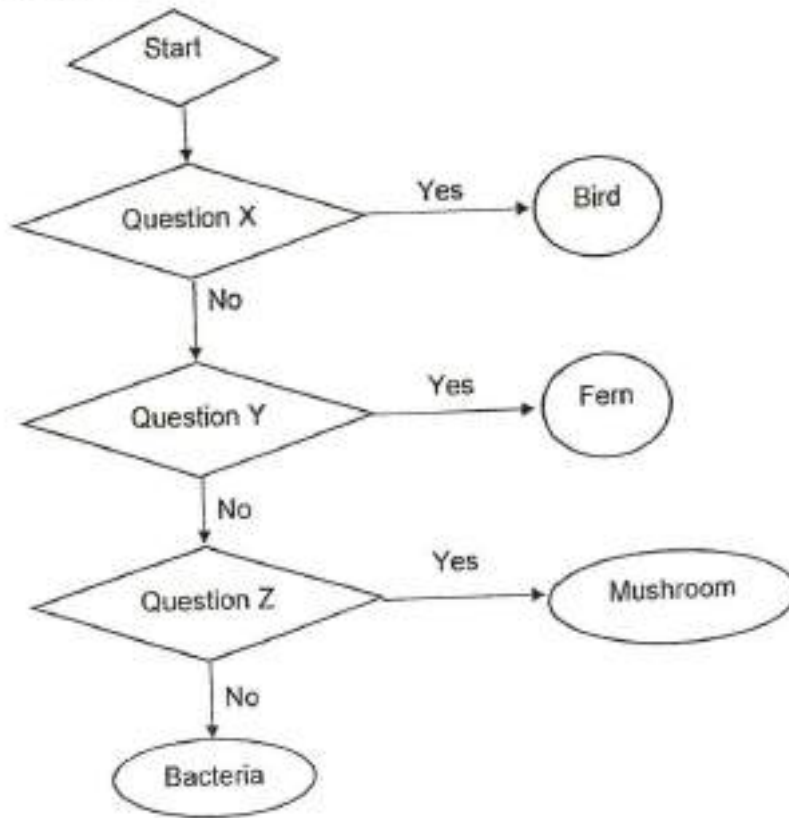
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,582

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 2**

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Study the flowchart below



Which of the following can be Questions X, Y and Z?

- A)

Question X	Question Y	Question Z
Is it an animal?	Does it reproduce by spores?	Does it make its own food?

- B)

Question X	Question Y	Question Z
Does it make its own food?	Is it an animal?	Can it be seen without a microscope?

- C)

Question X	Question Y	Question Z
Can it be seen without a microscope?	Does it make its own food?	Is it an animal?

- ✓ D)

Question X	Question Y	Question Z
Is it an animal?	Does it make its own food?	Does it reproduce by spores?

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,565

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

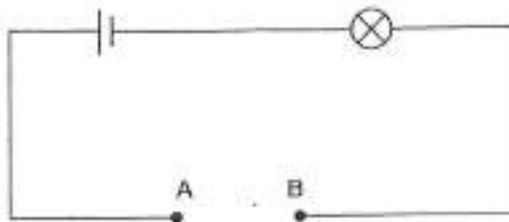
[Remove From Test](#)

Question 3

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

John cut 4 pieces of copper wire, P, Q, R and S, each of different length and thickness. The circuit diagram below shows how he set up the experiment,



He placed each wire at connection points A and B to close the circuit. He observed the brightness of the bulb. Then he recorded his observations in the table below.

Wire	Length of wire (cm)	Thickness of wire (mm)	Brightness of bulb
P	10	1	Bright
Q	10	2	Very bright
R	20	1	Not bright
S	20	2	Bright

Based on the information given in the table, what can John conclude from his experiment?

- A: As the length of the wire decreases, the brightness of the bulb increases.
 B: As the length of the wire decreases, the brightness of the bulb decreases.
 C: As the thickness of the wire increases, the brightness of the bulb increases.
 D: As the thickness of the wire increases, the brightness of the bulb decreases.

- ✓ 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#: 28,628,566

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

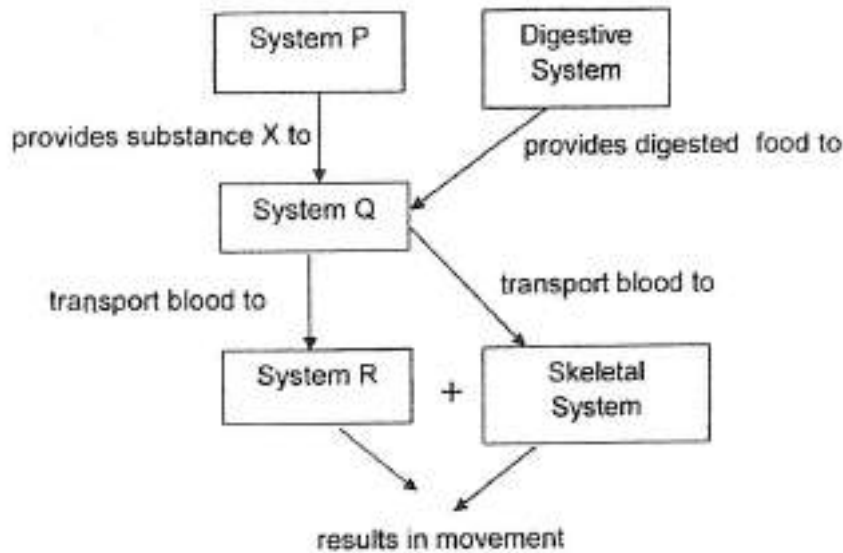
[Remove From Test](#)

Question 4

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Study the flowchart of the human systems as shown below.



Which systems do P, Q and R represent and what is substance X?

- A)

System P	System Q	System R	Substance X
circulatory system	respiratory system	muscular system	oxygen
- ✓ B)

System P	System Q	System R	Substance X
respiratory system	circulatory system	muscular system	oxygen
- C)

System P	System Q	System R	Substance X
circulatory system	muscular system	respiratory system	carbon dioxide
- D)

System P	System Q	System R	Substance X
respiratory system	circulatory system	muscular system	carbon dioxide

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,567

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

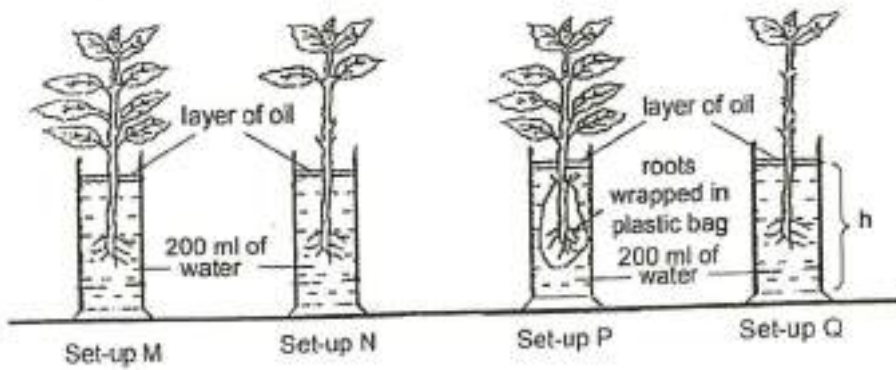
[Remove From Test](#)

Question 5

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Polly placed four plants of the same type in identical jars, each containing 200 ml water at the same level as shown below. She then placed the four set-ups, M, N, P and Q, next to the window for an hour. At the end of the experiment, Polly measured the height of water, h , in each jar.



Which of the following shows correctly the height of the water in each of the above set-ups after an hour?

A) Height of water after an hour (mm)

M	N	P	Q
200	190	180	185

B) Height of water after an hour (mm)

M	N	P	Q
190	185	200	180

C) Height of water after an hour (mm)

M	N	P	Q
185	180	190	200

✓ D) Height of water after an hour (mm)

M	N	P	Q
180	185	200	190

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,568

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

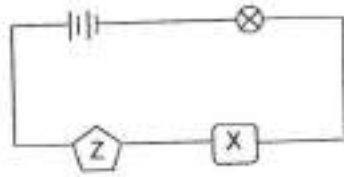
[Remove From Test](#)

Question 6

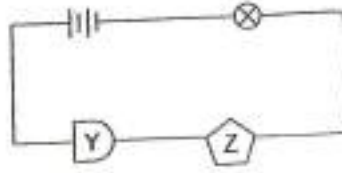
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Jacob set up the circuits below using a bulb, 2 batteries and 3 objects X, Y and Z.

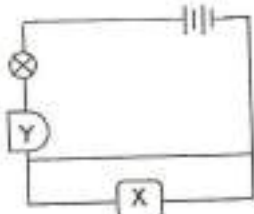


Bulb lights up

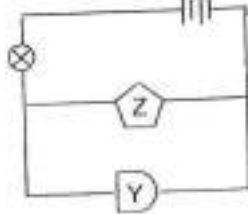


Bulb does not light up

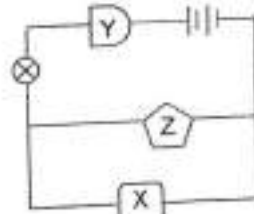
He used the objects X, Y and Z again to form the circuits below.



Circuit A



Circuit B



Circuit C

In which of the circuits A, B and C as shown above, would the bulb light up?

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,569

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

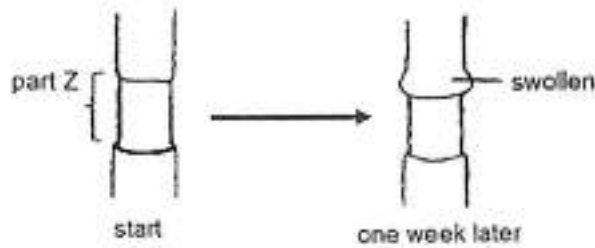
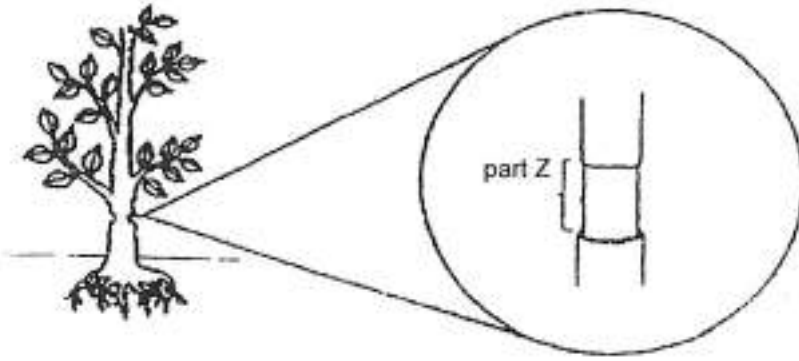
[Remove From Test](#)

Question 7

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Jane removed the outer ring of a plant at part Z. After one week, she observed a swollen part above part Z.



Which tube was removed and what was the correct explanation for her observation?

- ✓ A)

Tube Removed	Explanation
Food-carrying	Food from the leaves was not able to be transported downwards
- B)

Tube Removed	Explanation
Food-carrying	Food from the leaves was not able to be transported upwards
- C)

Tube Removed	Explanation
Water-carrying	Water from the roots was not able to be transported upwards
- D)

Tube Removed	Explanation
Water-carrying	Water from the leaves was not able to be transported downwards

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,570

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

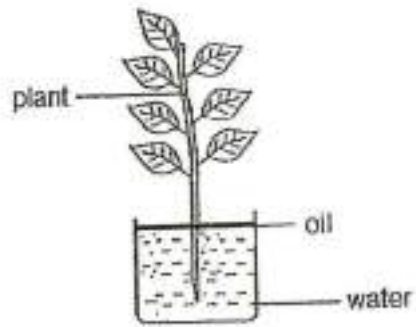
[Remove From Test](#)

Question 8

Primary 5 Science » Primary 5 Science (Term 2)

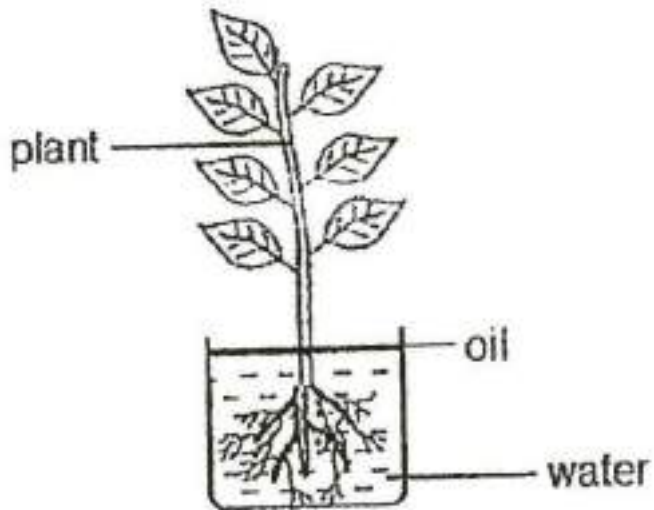
2 pts

Mary wanted to find out if plants take in water through their roots. She has prepared the set-up below.

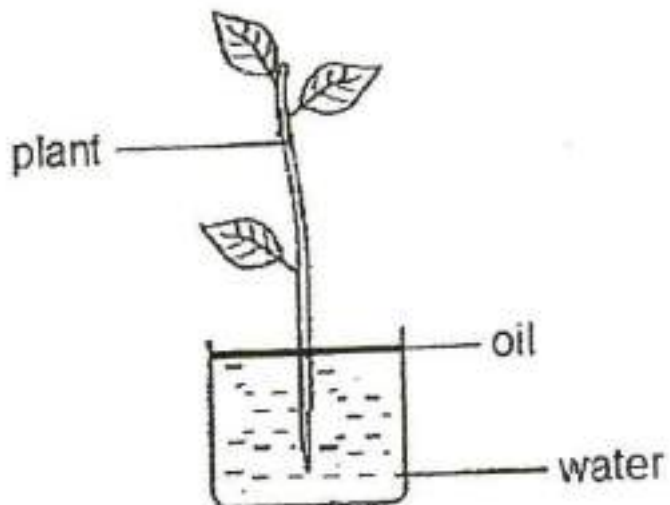


Which one of the following should Mary use as a control set-up for her experiment?

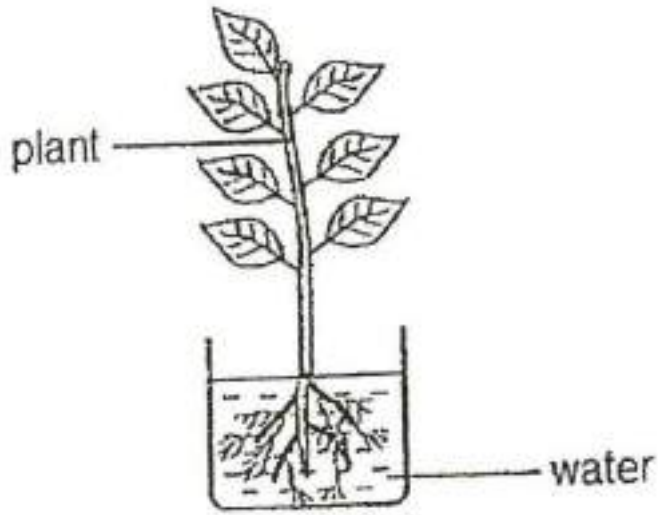
✓ A)



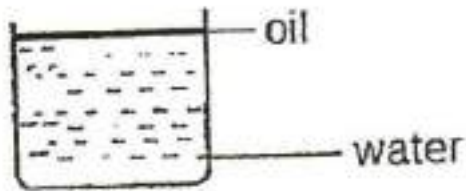
B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,571

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

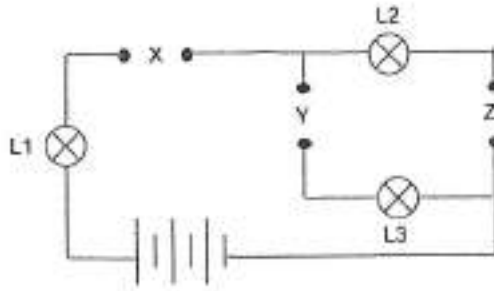
[Remove From Test](#)

Question 9

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Byran has three rods, P, Q and R, made of unknown materials. He placed them in various positions, X, Y and Z, in the circuit shown below.



The results of the experiment were shown in the table below. When any of the lamps, L1, L2 or L3, lit up during the experiment, a tick (✓) was placed in the box.

Positions where rods were placed			Lamp		
X	Y	Z	L1	L2	L3
P	Q	R	✓	✓	
Q	R	P			
R	P	Q	✓		✓

Based on the results above, which one of the following deductions is correct?

- A) Only rod R is not able to conduct electricity.
- B) Only rods P and Q are able to conduct electricity.
- ✓ C) Only rods P and R are able to conduct electricity.
- D) Rods Q and R are better conductors of electricity than rod P.

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,572

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

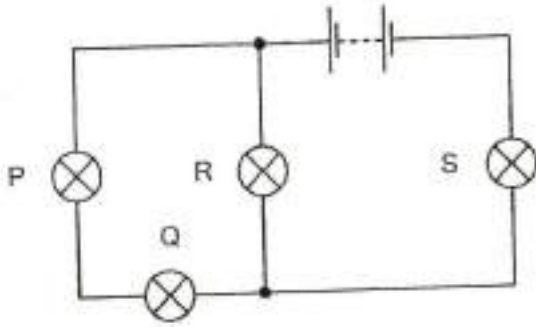
[Remove From Test](#)

Question 10

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Study the circuit shown below. When one of the bulbs fuses, all the other bulbs will not light up.



Which one of the bulbs has fused?

- A) P
- B) Q
- C) R
- ✓ D) S

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,573

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

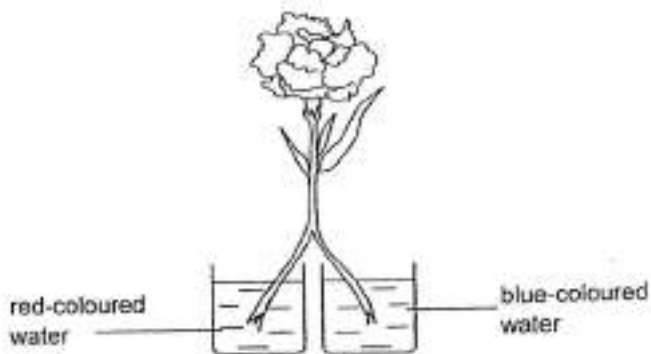
[Remove From Test](#)

Question 11

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Jialing cut a stalk of a white carnation and placed it in two separate beakers of red-coloured and blue-coloured water as shown below.



She left the stalk overnight. The next morning, one half of the flower became blue and the other half became red.

What can she conclude from the above experiment?

- A) There is only one water-carrying tube in the stem.
- ✓ B) There is more than one water-carrying tube in the stem.

- C) Cutting the stalk into half removed all the food-carrying tube.
- D) Cutting the stalk into half caused the food-carrying tube to carry water too.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,574

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

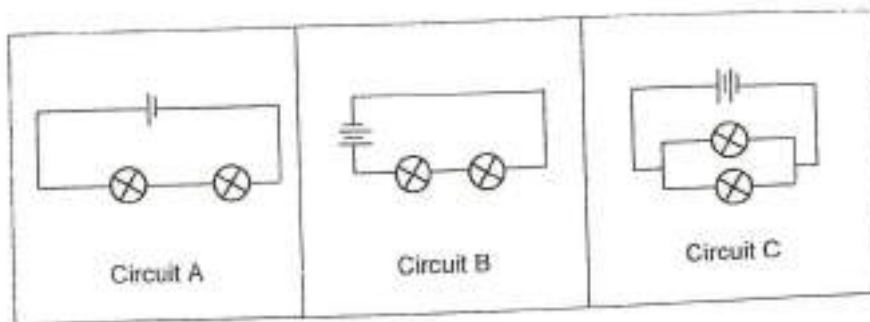
[Remove From Test](#)

Question 12

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Ravi arranged 3 closed circuits A, B, C, as shown below. He used identical batteries, bulbs and wires for each circuit.



Arrange the bulbs in circuits A, B and C from the brightest to the dimmest.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,575

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

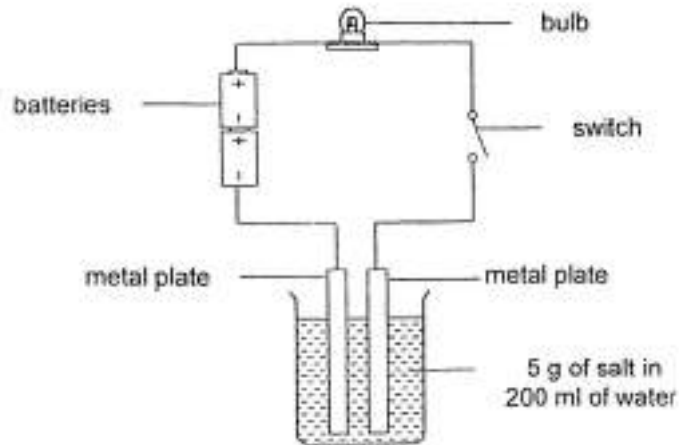
[Remove From Test](#)

Question 13

Primary 5 Science » Primary 5 Science (Term 2)

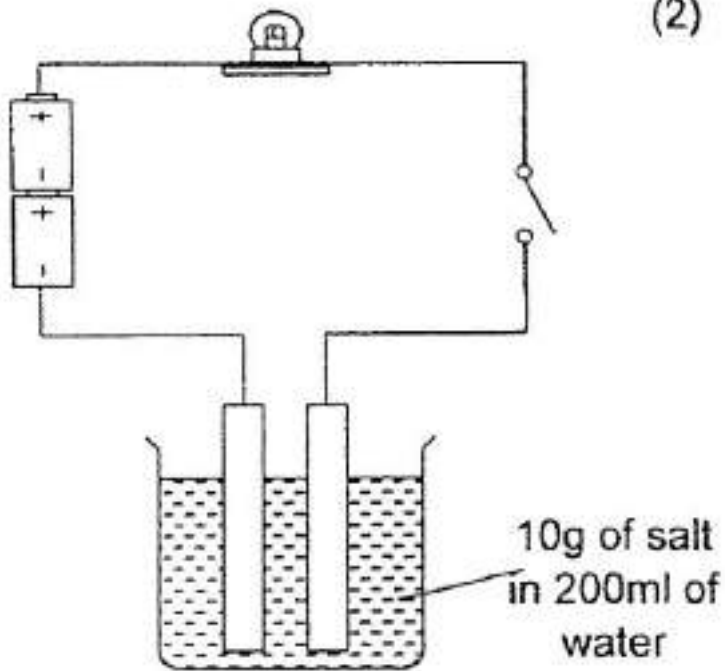
2 pts

Randy wanted to find out whether water conducts electricity when salt is dissolved in it. He used the set-up below:

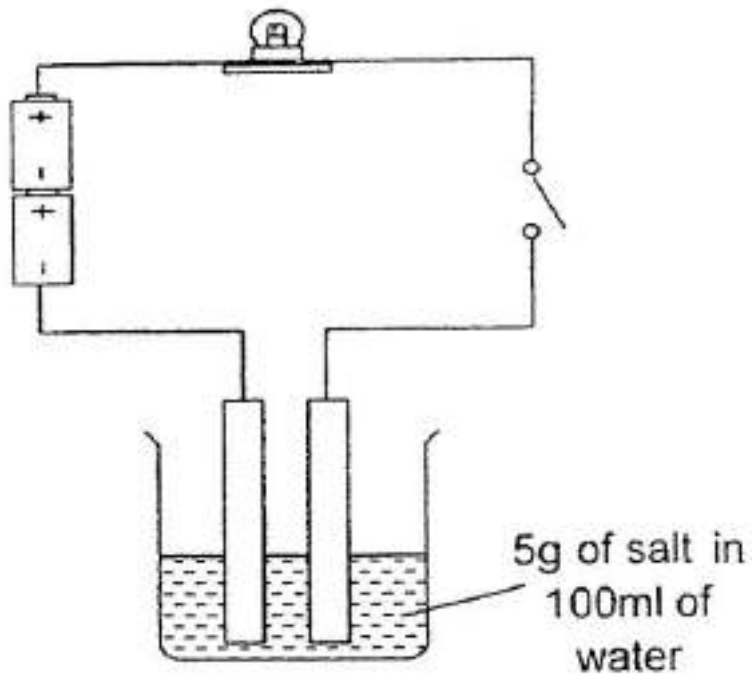


Which one of the following shows the most suitable set-up for a control to his experiment?

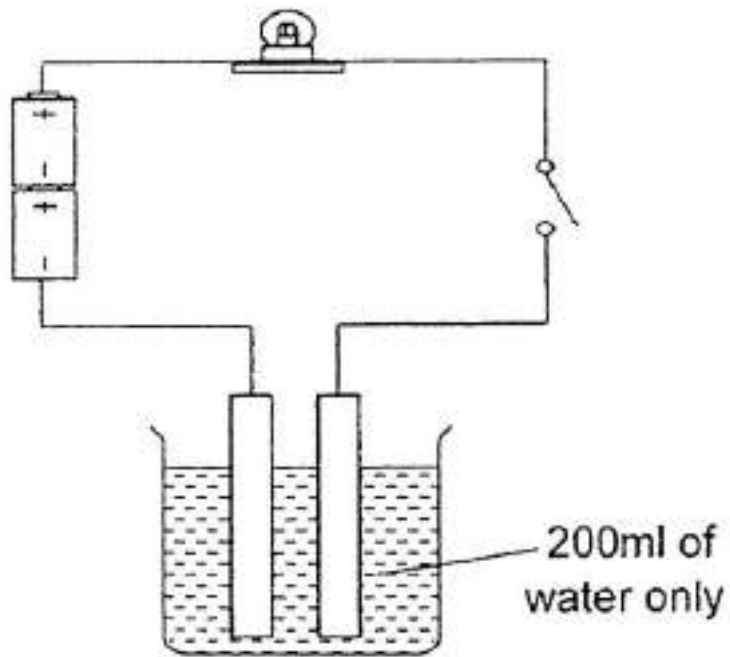
A)



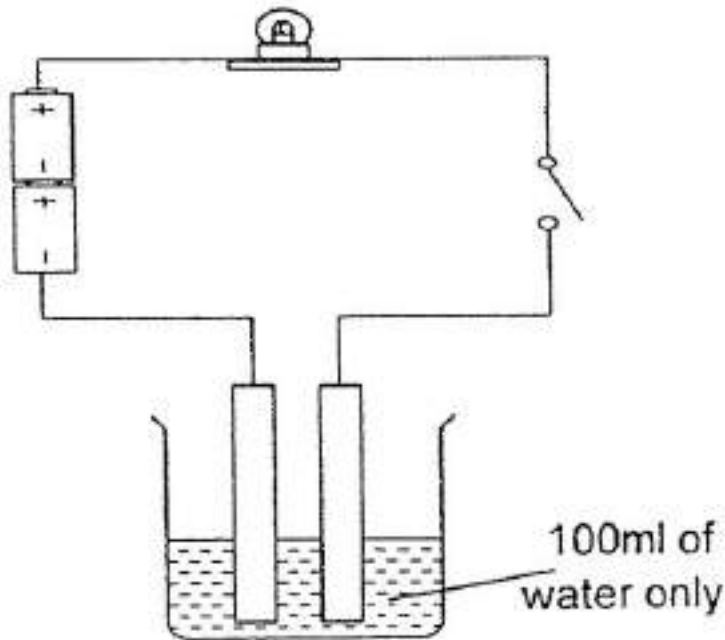
B)



✓ c)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,576

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

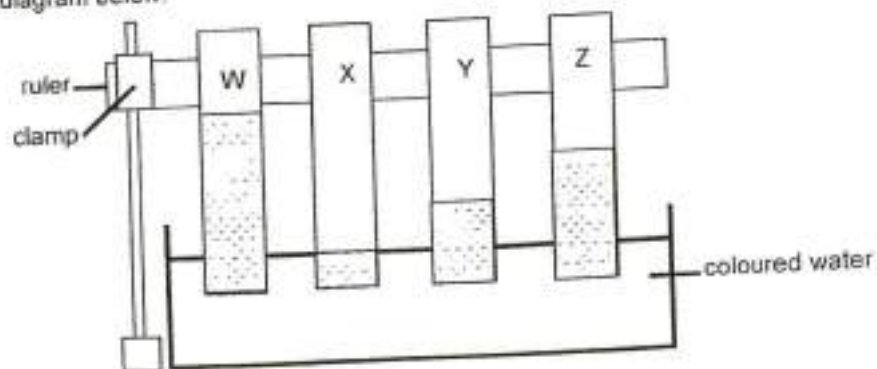
[Remove From Test](#)

Question 14

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The set-up below is to find out the amount of coloured water that can be absorbed by four similar-sized strips of different materials, W, X, Y and Z. After ten minutes, the strips absorb water to different levels as shown in the diagram below.



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

- A) W
- B) Y
- ✓ C) X

D) Z

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,577

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

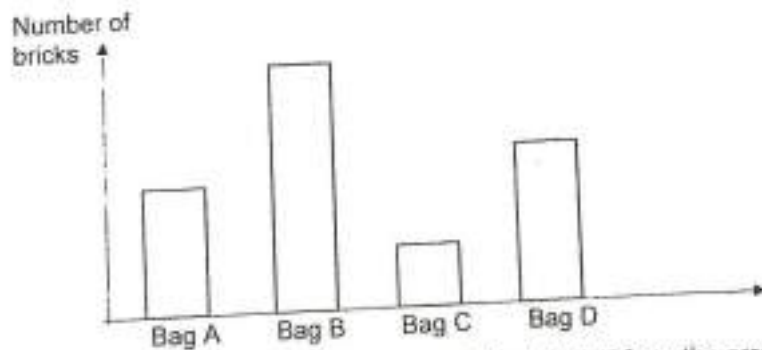
[Remove From Test](#)

Question 15

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Four bags of different materials were used for this experiment. The graph below shows the maximum number of bricks that the different bags can hold before breaking.



Which of the following conclusions cannot be deduced from the graph?

- A) Bag B is the strongest.
- B) Bag A is stronger than bag C.
- C) Bag D is stronger than bag A.
- ✓ D) Bag C is made from the thinnest material.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,578

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

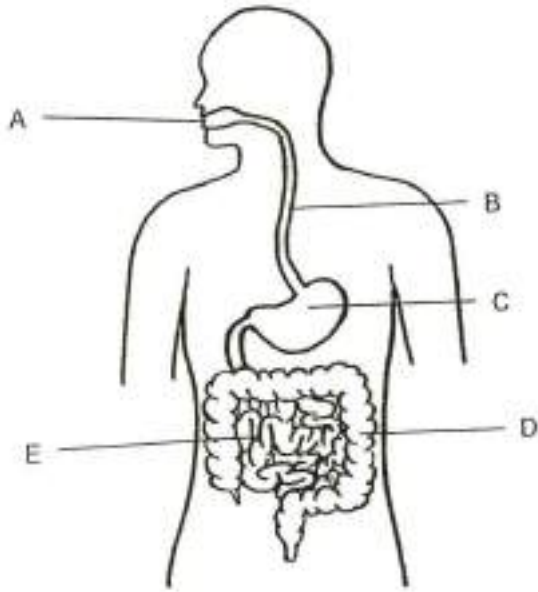
[Remove From Test](#)

Question 16

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows the digestive system of a human body.



Based on the diagram above, which of the following correctly matches the parts of the human digestive system with their functions?

A) Parts of the human digestive system where

digestion takes place	absorptions of digested food takes place	absorption of water takes place
A, C	E	D

B) Parts of the human digestive system where

digestion takes place	absorption of digested food takes place	absorption of water takes place
B, C, E	D	A

✓ C) Parts of the human digestive system where

digestion takes place	absorption of digested food takes place	absorption of water takes place
A, C, E	E	D

D) Parts of the human digestive system where

digestion takes place	absorptions of digested food takes place	absorption of water takes place
A, C, D, E	C	E

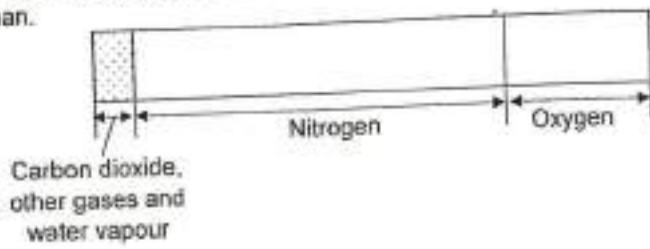
Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,579

Question 17

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below represents the composition of gases in the air inhaled by a human.



Which of the following statements are false about the composition of gases in the exhaled air of a human?

- A) Amount of oxygen decreases
- B) Amount of nitrogen remains the same
- ✓ C) Amount of all the above gases decrease
- D) Amount of carbon dioxide and other gases increases

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,580

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

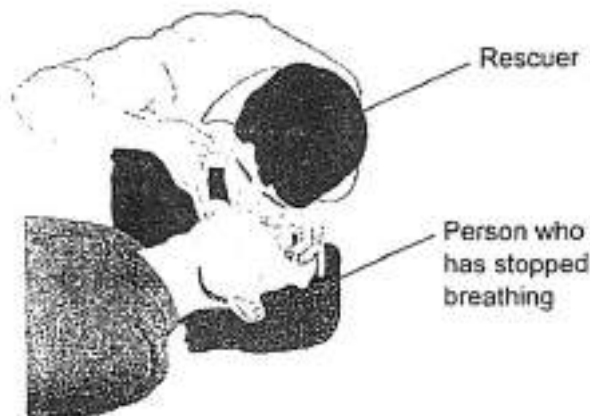
[Remove From Test](#)

Question 18

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

An emergency procedure called mouth-to-mouth resuscitation is carried out on a person who has stopped breathing. In this procedure, the rescuer helps to keep the person alive by blowing exhaled air into the person's lungs.



Why does the rescuer blow exhaled air into the person's lungs?

- A) Exhaled air contains some heat needed by the lungs.
- B) Exhaled air contains some oxygen needed by the lungs.



- C) Exhaled air contains some water vapour needed by the lungs.
- D) Exhaled air contains some carbon dioxide needed by the lungs.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,581

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

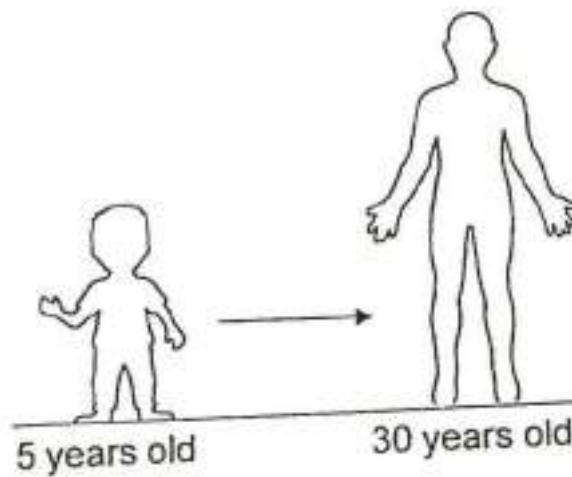
[Remove From Test](#)

Question 19

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram shows the physical growth of a boy.



What has/have caused the growth of the boy?

A: The cells increased in size.

B: The cells increased in number.

C: The cells died and replaced themselves.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,583

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

[Remove From Test](#)

Question 20

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Ellie, Faye and Gwen recorded some parts of cells observed in three different cells as shown below.

	Parts of cells observed
Ellie	cytoplasm, nucleus, chloroplast, cell wall
Faye	cell membrane, cell wall, nucleus
Gwen	cell membrane, cytoplasm, nucleus

Who could have observed plant cells?

- A) Ellie only
- B) Gwen only
- ✓ C) Ellie and Faye only
- D) Gwen and Faye only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,584

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

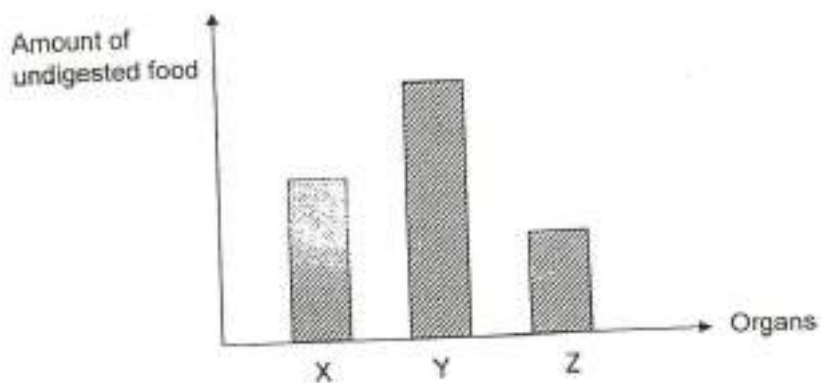
[Remove From Test](#)

Question 21

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The graph below shows the amount of undigested food in organs X, Y and Z of the human digestive system.



If organ Z is the small intestine, what could organs X and Y be?

- A)

X	Y
Mouth	Stomach

B)

X	Y
Gullet	Stomach

✓ C)

X	Y
Stomach	Mouth

D)

X	Y
Gullet	Large intestine

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,585

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

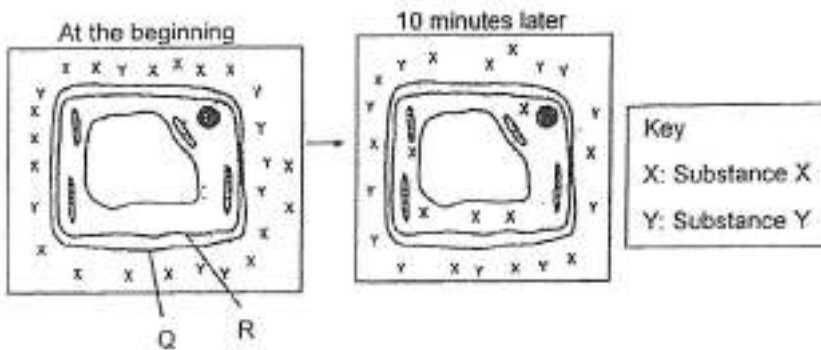
[Remove From Test](#)

Question 22

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows what happened before and after a cell is placed in a container filled with substances X and Y.



Read the statements below.

- A: Part Q maintains the shape of the cell.
 B: Part Q stops Substance X from entering the cell.
 C: Part R stops Substance Y from entering the cell.

Which is/are the following statement(s) can be determined by the above diagram?

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,586

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

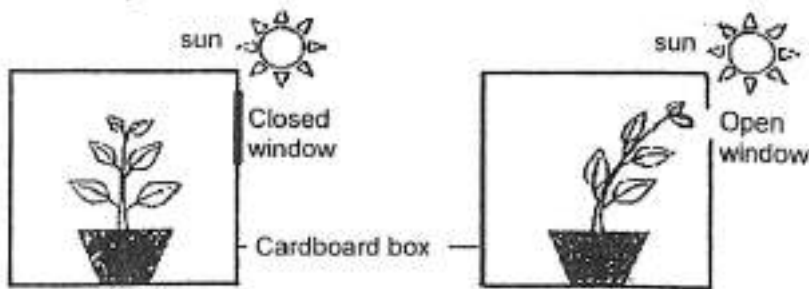
[Remove From Test](#)

Question 23

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows two similar plants growing in different conditions.



What does this tell you about living things?

- ✓ A) Living things can respond to changes.
- B) Living things can make their own food.
- C) Living things needs air, food and water.
- D) Living things can move from places to places by themselves.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,587

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

[Remove From Test](#)

Question 24

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Which of the following systems in our body work together to transport oxygen and food around our body?

System A: Circulatory system
 System B: Digestive system
 System C: Respiratory system
 System D: Skeletal system
 System E: Muscular system

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,588

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

[Remove From Test](#)

Question 25

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Reanne observed some plants in her school garden. Which of the following observations did she make to conclude that the plants were non-flowering?

- A) The plants had big leaves.
- B) The plants had weak stems.
- C) There were fruits on the plants.
- ✓ D) Spores were found on the underside of the leaves.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,589

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

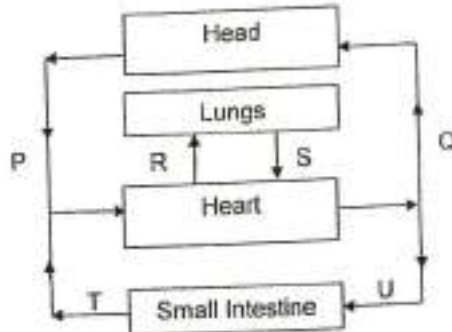
[Remove From Test](#)

Question 26

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The diagram below shows the movement of blood in the human circulatory system to certain parts of the body.



Which one of the following statements correctly describes the amount of substances in the blood in pathways P, Q, R, S, T and U?

- A) Blood in S contains less oxygen than blood in R.
- ✓ B) Blood in U has less digested food than blood in T.
- C) Blood in P contains most oxygen than blood in Q.
- D) Blood in Q contains more carbon dioxide than blood in T.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,590

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

Question 27

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Four pupils in a class made the following observation about animals.

Lynn: All mammals have fur or hair.

Macy: All amphibians can live in water and land.

Noel: All birds have a beak, feathers and can fly.

Olivia: Some animals lay eggs while other give birth to young alive.

Whose statements are correct?

- A) Lynn and Noel only
- B) Noel and Olivia only
- ✓ C) Lynn, Macy and Olivia only
- D) Lynn, Macy, Noel and Olivia

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,591

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

Question 28

Primary 5 Science » Primary 5 Science (Term 2)

2 pts

Which one of the following correctly shows the path that oxygen takes when we breathe in by the nose?

- A) Air sacs in lungs --> windpipe --> blood vessels
- B) Windpipe --> blood vessels --> air sacs in lungs
- C) Blood vessels --> air sacs in lungs --> windpipe
- ✓ D) Windpipe --> air sacs in lungs --> blood vessels

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,592

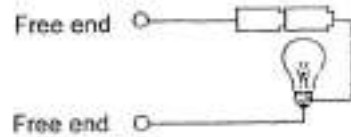
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)

Question 29

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

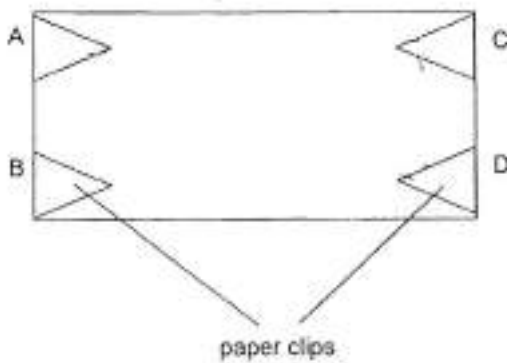
Jason had a circuit card with four metal paper clips, A, B, C and D which were connected on the underside by wires.



Jason connected the circuit tester to two paper clips of the circuit card each time. He recorded the results as shown in the table below.

Paper clips attached to free ends	Did the bulb light up?
A and B	No
A and C	Yes
A and D	Yes
B and C	No
B and D	No
C and D	Yes

Based on the results, draw wires in the circuit card below to show how the paper clips were connected. [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.

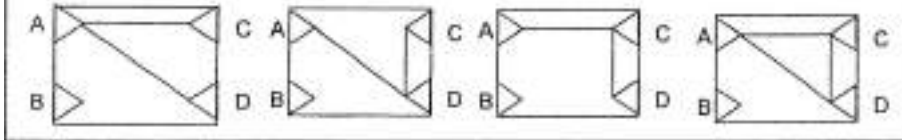
Question Type: Essay
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,617

Correctly answered feedback

Concept: Data interpretation - connection to form a close circuit based on results

Incorrectly answered feedback

Concept: Data interpretation - connection to form a close circuit based on results



Answers | Edit | Duplicate | Used In | Reorder

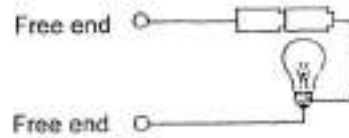
Remove From Test

Question 30

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

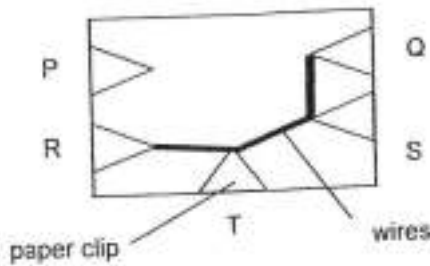
Jason had a circuit card with four metal paper clips, A, B, C and D which were connected on the underside by wires.



Jason connected the circuit tester to two paper clips of the circuit card each time. He recorded the results as shown in the table below.

Paper clips attached to free ends	Did the bulb light up?
A and B	No
A and C	Yes
A and D	Yes
B and C	No
B and D	No
C and D	Yes

Jason had another circuit card with the arrangement of wires on the underside as shown below.



Fill in the blanks below to show if the bulbs lighted up. Indicate your answer with a 'Yes' or 'No'.

Paper clip tested in pairs	Did the bulb light up?
P and Q	No
P and S	
Q and S	Yes
Q and R	
S and T	Yes

Match the options below:

Clue	Match
P and S Points: +0.5 -0	No
Q and R Points: +0.5 -0	Yes

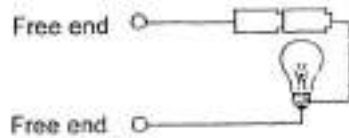
Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,629

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

Question 31

Primary 5 Science » Primary 5 Science (Term 2) 0 pts

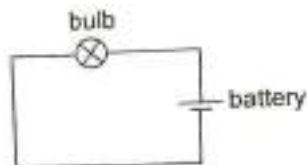
Jason had a circuit card with four metal paper clips, A, B, C and D which were connected on the underside by wires.



Jason connected the circuit tester to two paper clips of the circuit card each time. He recorded the results as shown in the table below.

Paper clips attached to free ends	Did the bulb light up?
A and B	No
A and C	Yes
A and D	Yes
B and C	No
B and D	No
C and D	Yes

In the second experiment, Jason took 4 types of wires, W, X, Y and Z of different thicknesses. He connected each of the wires to a bulb as shown in the diagram below.



State the sim of the second experiment. (1 mark)

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,593

Correctly answered feedback

To find out if the thickness of wire will affect the brightness of the bulb.

OR

To find out if the thickness of wire will affect the amount of electricity flowing through the wire.

Incorrectly answered feedback

To find out if the thickness of wire will affect the brightness of the bulb.

OR

To find out if the thickness of wire will affect the amount of electricity flowing through the wire.

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

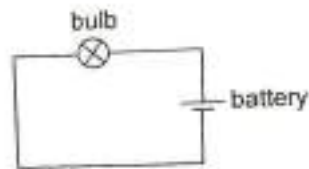
[Remove From Test](#)

Question 32

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

In the second experiment, Jason took 4 types of wires, W, X, Y and Z of different thicknesses. He connected each of the wires to a bulb as shown in the diagram below.



Explain why Jason must keep the material and the length of the wires the same when he conducted the experiment. (1 mark)

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

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

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,595

Correctly answered feedback

Concept: explain the purpose of the fixed variables in the experiment
To ensure that the material and the length does not affect the brightness of the bulb/ the amount of electricity flowing through the wire which is only affected by the thickness of the wire.
To ensure that the material and the length does not affect the amount of electricity flowing through the wire which is only affected by the thickness of the wire.
The only variable affecting the result is only the thickness and not the material or the length.

Incorrectly answered feedback

Concept: explain the purpose of the fixed variables in the experiment
To ensure that the material and the length does not affect the brightness of the bulb/ the amount of electricity flowing through the wire which is only affected by the thickness of the wire.
To ensure that the material and the length does not affect the amount of electricity flowing through the wire which is only affected by the thickness of the wire.
The only variable affecting the result is only the thickness and not the material or the length.

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

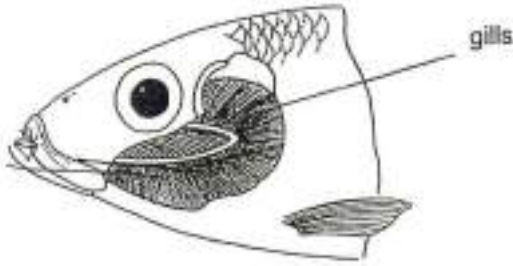
[Remove From Test](#)

Question 33

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Fish have special breathing organs called gills which are located on the sides of their heads as shown below.



Indicate on the picture above using arrows to show how water enters and leave the fish when it breathes. (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#: 28,628,597

Correctly answered feedback

Concept: identifying the path of oxygen in a fish as it breathes



Incorrectly answered feedback

Concept: identifying the path of oxygen in a fish as it breathes



Answers | Edit | Duplicate | Used In | Reorder

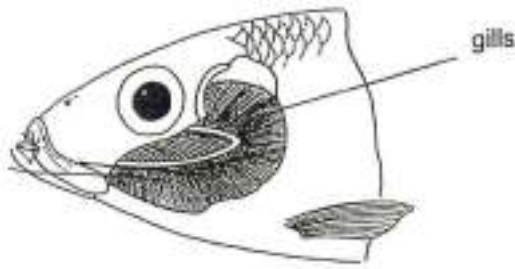
Remove From Test

Question 34

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

Fish have special breathing organs called gills which are located on the sides of their heads as shown below.



Which part of the human respiratory system is similar to the fish gills? (1 mark)

Accepted answers:

- ✓ Lungs
- ✓ Air Sac
- ✓ lungs / air sac
- ✓ air sac / lungs
- ✓ Air Sac/Lungs
- ✓ Lungs/Air Sac

Question Type: Free Text
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,621

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

[Remove From Test](#)

Question 35

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Fish have special breathing organs called gills which are located on the sides of their heads as shown below.



Give a reason why it is necessary for the gills to have many blood vessels. (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#: 28,628,607

Correctly answered feedback**Concept; explain the function of blood vessels over a larger surface area****To increase the rate of gaseous exchange.**

To increase the surface area for oxygen to be taken in (1/2m)
 Gills are able to absorb more dissolved oxygen (1/2m)
 Helps in gaseous exchange (0m)

Incorrectly answered feedback**Concept; explain the function of blood vessels over a larger surface area****To increase the rate of gaseous exchange.**

To increase the surface area for oxygen to be taken in (1/2m)
 Gills are able to absorb more dissolved oxygen (1/2m)
 Helps in gaseous exchange (0m)

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

[Remove From Test](#)**Question 36**

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Fish have special breathing organs called gills which are located on the sides of their heads as shown below.



Why fish has gills and not lungs? (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#: 28,628,598

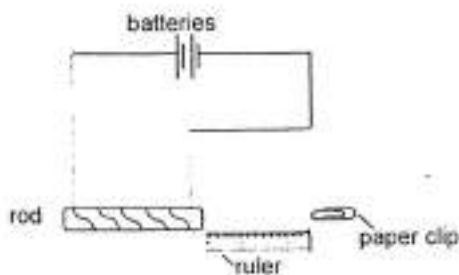
Correctly answered feedback**Concept; explain the difference between the function of lungs and gills****Gill can take in dissolved oxygen in water but not lungs.****Fish live in water to take in dissolved oxygen.**

Incorrectly answered feedback**Concept: explain the difference between the function of lungs and gills**Gill can take in dissolved oxygen in water but not lungs.Fish live in water to take in dissolved oxygen.
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 37**

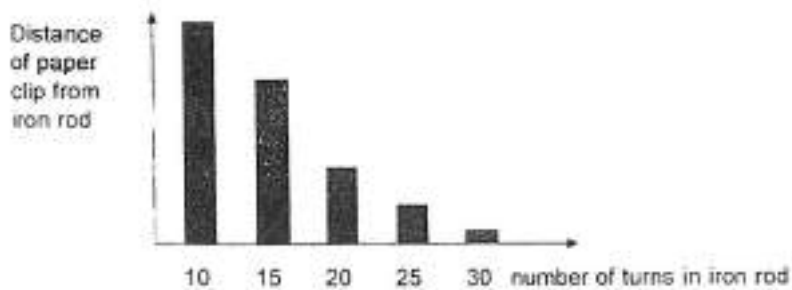
Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows Jeremy's experiment using an electromagnet. When the electrical circuit was closed, the paper clip was slowly moved towards the iron rod.



The distance of the clip from the rod just before it was pulled was recorded. Jeremy increased the number of turns of wire around the iron rod and repeated the experiment. The results of the experiment are shown in the graph below.



What was the variable that is changed in this experiment? (1 mark)

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

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

Question Type: Essay
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,599

Correctly answered feedback

The number of turns of wire around the iron rod has been changed.

Incorrectly answered feedback

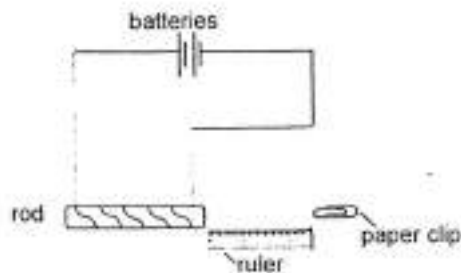
The number of turns of wire around the iron rod has been changed.

Question 38

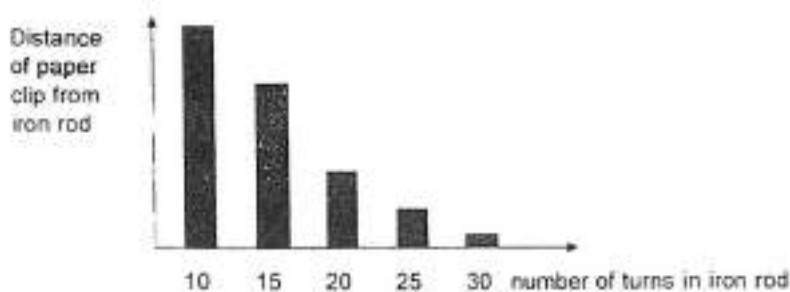
Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows Jeremy's experiment using an electromagnet. When the electrical circuit was closed, the paper clip was slowly moved towards the iron rod.



The distance of the clip from the rod just before it was pulled was recorded. Jeremy increased the number of turns of wire around the iron rod and repeated the experiment. The results of the experiment are shown in the graph below.



Were the results obtained by Jeremy correct? Explain your answer clearly. (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#: 28,628,600

Correctly answered feedback

Concept: Give reasoning – strength of electromagnet affected by number of turns in the rod

No, the greater the number of turns in the iron rod, the electromagnet/magnetic strength/magnetic force will become stronger/ greater and will be able to attract the paper clip from a longer distance.

Incorrectly answered feedback

Concept: Give reasoning – strength of electromagnet affected by number of turns in the rod

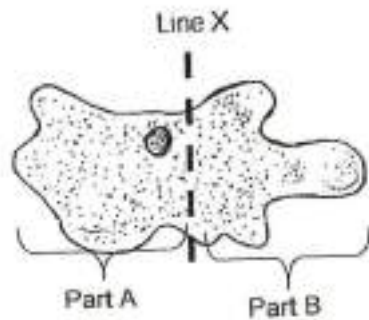
No, the greater the number of turns in the iron rod, the electromagnet/magnetic strength/magnetic force will become stronger/ greater and will be able to attract the paper clip from a longer distance.

Question 39

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Lily found a single cellular organism in the school pond. She wanted to do an investigation using the organism. She cut the cell at Line X as shown below.



After a few days, she recorded her observations in the table below.

Part A	Part B
Continued to grow a new Part B	Shrunk and died

Why was Part A able to grow a new Part B? (1 mark)

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

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

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,601

Correctly answered feedback

Part A has a nucleus which allows the cell to repair/replace damaged part.

Incorrectly answered feedback

Part A has a nucleus which allows the cell to repair/replace damaged part.

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

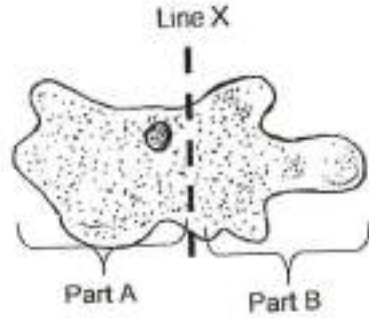
[Remove From Test](#)

Question 40

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Lily found a single cellular organism in the school pond. She wanted to do an investigation using the organism. She cut the cell at Line X as shown below.



After a few days, she recorded her observations in the table below.

Part A	Part B
Continued to grow a new Part B	Shrunk and died

Explain why Part A of the cell is important for her investigation. (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#: 28,628,602

Correctly answered feedback

To compare and confirm that the presence of the nucleus is the only variable that is needed for the cell to repair/replace damaged part.

Incorrectly answered feedback

To compare and confirm that the presence of the nucleus is the only variable that is needed for the cell to repair/replace damaged part.

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

[Remove From Test](#)

Question 41

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

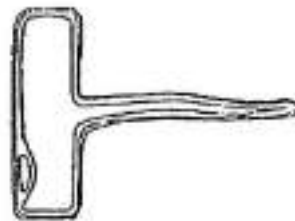
The diagram below shows some cells.



Cell A



Cell B



Cell C

Cell A, B and C are placed in a container of water. After some time, one of them burst. Which cell

burst? Explain your choice.

Accepted answers:

- ✓ Cell B burst.
- ✓ Cell B
- ✓ cell b burst
- ✓ B

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,624

Correctly answered feedback

Cell B burst. Cell B does not have a cell wall to protect/support/maintain the cell/ give cell the shape which would prevent it from busting.

Incorrectly answered feedback

Cell B burst. Cell B does not have a cell wall to protect/support/maintain the cell/ give cell the shape which would prevent it from busting.

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

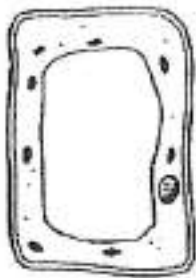
[Remove From Test](#)

Question 42

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

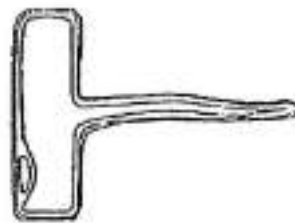
The diagram below shows some cells.



Cell A



Cell B



Cell C

Which cell part is found in the cytoplasm of Cell A but not in Cell B and C?

Accepted answers:

- ✓ Chloroplast
- ✓ Chloroplast.

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,627

Correctly answered feedback

Chloroplast. Both Cell B and C do not need to make food for the organism.

OR

Cell B is an animal cell. Cell C is a root cell and it does not make food.

Incorrectly answered feedback

Chloroplast. Both Cell B and C do not need to make food for the organism.

OR

Cell B is an animal cell. Cell C is a root cell and it does not make food.

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

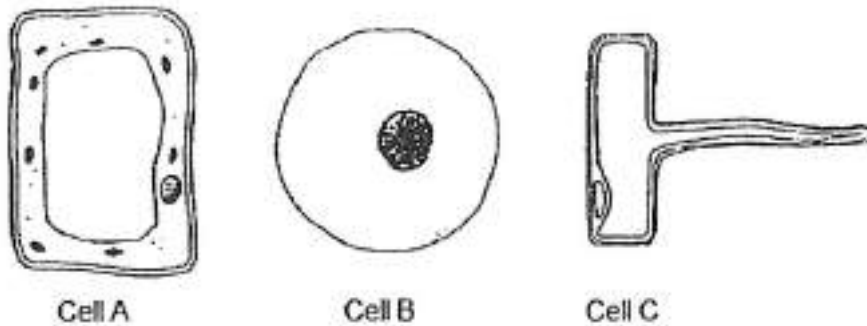
[Remove From Test](#)

Question 43

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram below shows some cells.



The shape of Cell C is different from a typical cell. Explain how the shape of Cell C enables it to carry out its function more effectively. (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#: 28,628,603

Correctly answered feedback

The shape of Cell C increases its surface area to absorb more water/substances.

OR

The shapes of Cell C increases its surface area to absorb water at a faster rate.

Incorrectly answered feedback

The shape of Cell C increases its surface area to absorb more water/substances.

OR

The shapes of Cell C increases its surface area to absorb water at a faster rate.

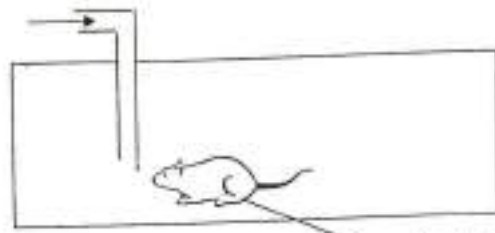
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)

Question 44

Animal W was placed in a tank as shown below. Different amounts of carbon dioxide were pumped into the tank.

Carbon dioxide pumped in



Animal W (connected to a pulse sensor)

The table below shows how different amounts of oxygen and carbon dioxide in the tank affect the breathing rate of animal W.

Percentage of carbon dioxide in the tank (%)	Percentage of oxygen in the tank (%)
0.03	21
1.00	20
3.00	18
5.00	16

The breathing rate of Animal W increases as the amount of carbon dioxide increases. Explain why. (1 mark)

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

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

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,612

Correctly answered feedback

The breathing rate increases because W needs to take in enough/more oxygen (1m) as the percentage of carbon dioxide increases and the percentage of oxygen in the air decreases.

The breathing rate increases because carbon dioxide is removed faster as the percentage of carbon dioxide increases and the percentage of oxygen in the air decreases.

Incorrectly answered feedback

The breathing rate increases because W needs to take in enough/more oxygen (1m) as the percentage of carbon dioxide increases and the percentage of oxygen in the air decreases.

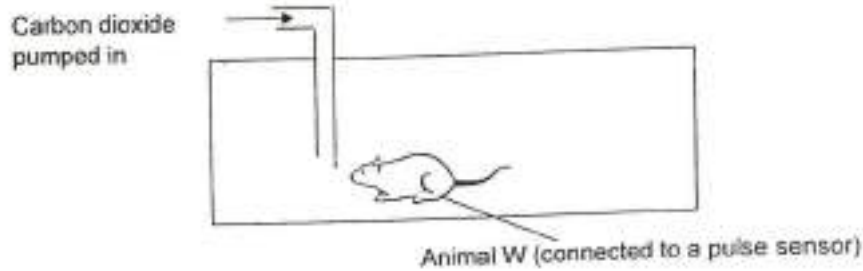
The breathing rate increases because carbon dioxide is removed faster as the percentage of carbon dioxide increases and the percentage of oxygen in the air decreases.

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

[Remove From Test](#)

Question 45

Animal W was placed in a tank as shown below. Different amounts of carbon dioxide were pumped into the tank.



The table below shows how different amounts of oxygen and carbon dioxide in the tank affect the breathing rate of animal W.

Percentage of carbon dioxide in the tank (%)	Percentage of oxygen in the tank (%)
0.03	21
1.00	20
3.00	18
5.00	16

Based on the table above, what is the relationship between different amounts of carbon dioxide and the amount of oxygen in the tank? (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#: 28,628,605

Correctly answered feedback

As the percentage/amount of carbon dioxide increased, the percentage/amount of oxygen decreased.

The more the amount of carbon dioxide, the lesser the amount of oxygen.

Incorrectly answered feedback

As the percentage/amount of carbon dioxide increased, the percentage/amount of oxygen decreased.

The more the amount of carbon dioxide, the lesser the amount of oxygen.

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

[Remove From Test](#)

Question 46

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

An outer ring of a stem was removed from a green plant as shown below. As a result, the tube carrying food and water were removed. There is stored food in Part Z of the plant.



In the graph below, draw a line graph to represent the mass of Part Z after the ring was removed. [1]



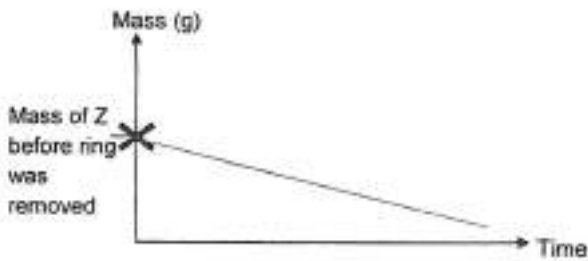
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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#: 28,628,609

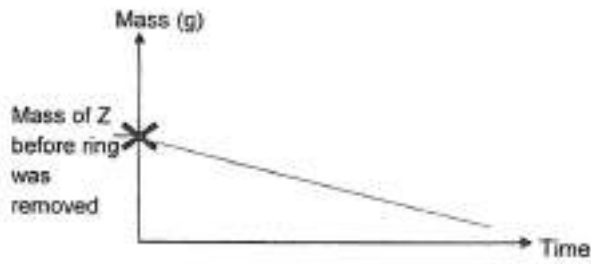
Correctly answered feedback

Concept: Investigate the functions of plant parts and communicate findings through graph.



Incorrectly answered feedback

Concept: Investigate the functions of plant parts and communicate findings through graph.



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

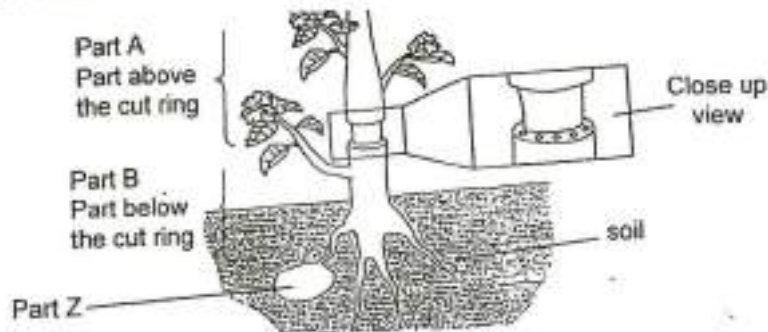
[Remove From Test](#)

Question 47

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

An outer ring of a stem was removed from a green plant as shown below. As a result, the tube carrying food and water were removed. There is stored food in Part Z of the plant.



After some time, Part A of the plant withered before Part B. Explain why.

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#: 28,628,613

Correctly answered feedback

The leaves in Part A could not receive water hence could not make food. The plant parts in Part B could receive water from the soil and food from Z/leaves.

Incorrectly answered feedback

The leaves in Part A could not receive water hence could not make food. The plant parts in Part B could receive water from the soil and food from Z/leaves.

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

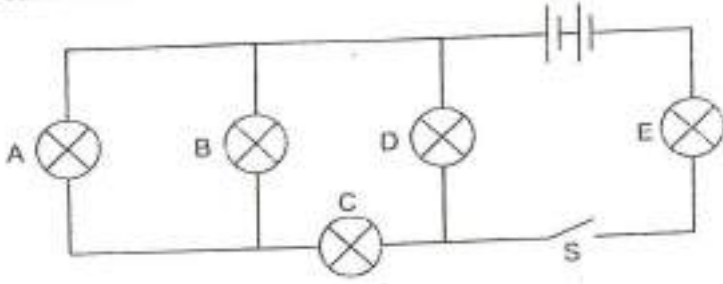
[Remove From Test](#)

Question 48

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Max constructed a circuit as shown below.



He closed switch S and observed that all the bulbs lighted up. However, after 20 seconds, bulb D fused.

Which bulb(s) will not light up when bulb E fuses?

Accepted answers:

- ✓ All bulbs
- ✓ Bulbs A, B, C and D
- ✓ A, B, C and D
- ✓ All the other bulbs
- ✓ Bulbs A, B, D and C
- ✓ A, B, D and C
- ✓ C, B, D, A
- ✓ A, B, C, D
- ✓ Bulbs a, b, c, and d
- ✓ bulbs A, B, C, D

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,628

Correctly answered feedback

Bulbs A, B, C and D / all the other bulbs / all bulbs

Incorrectly answered feedback

Bulbs A, B, C and D / all the other bulbs / all bulbs

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

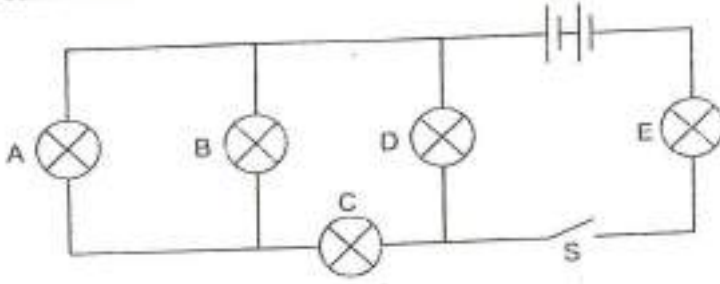
[Remove From Test](#)

Question 49

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Max constructed a circuit as shown below.



He closed switch S and observed that all the bulbs lighted up. However, after 20 seconds, bulb D fused.

What will happen to the other bulbs when bulb D fused? 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#: 28,628,610

Correctly answered feedback

Concept: Show an understanding that a current can only flow in a closed circuit

Bulbs A, B, C and E/All the rest of the bulbs will continue to light up/will not fused (1m) because there are other pathways to allow electricity to pass through /they are arranged in parallel manner /circuit is still closed.

Incorrectly answered feedback

Concept: Show an understanding that a current can only flow in a closed circuit

Bulbs A, B, C and E/All the rest of the bulbs will continue to light up/will not fused (1m) because there are other pathways to allow electricity to pass through /they are arranged in parallel manner /circuit is still closed.

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

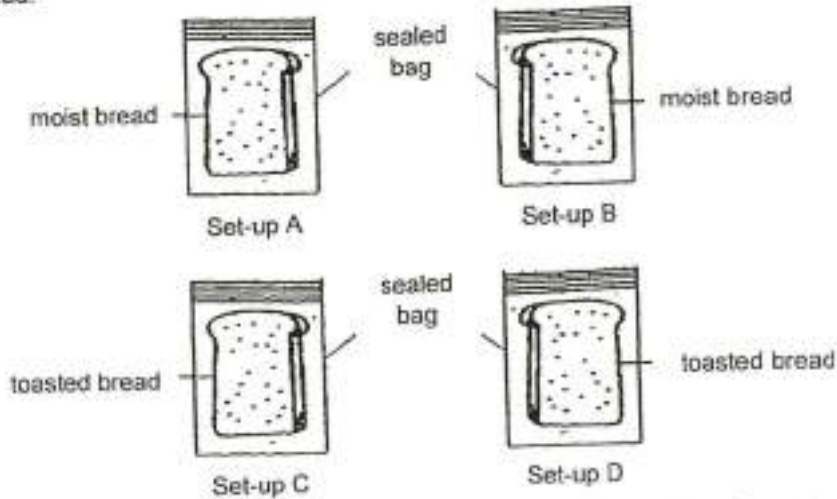
[Remove From Test](#)

Question 50

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sharon set up the following experiment in her classroom to grow some bread mould. She and her classmates observe the four pieces bread every day. After one week, they observed some mould growing on some of the pieces of bread.



Where did the mould obtain its food? (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#: 28,628,608

Correctly answered feedback

It obtain its food from the bread.

Incorrectly answered feedback

It obtain its food from the bread.

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

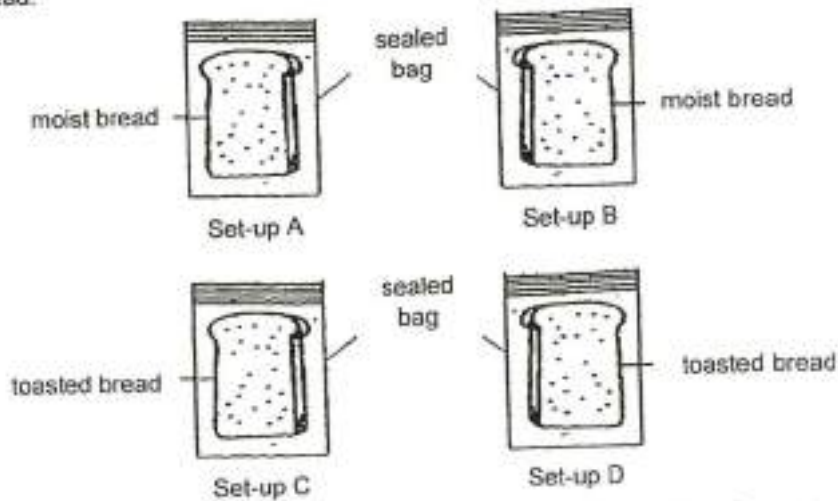
[Remove From Test](#)

Question 51

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sharon set up the following experiment in her classroom to grow some bread mould. She and her classmates observe the four pieces bread every day. After one week, they observed some mould growing on some of the pieces of bread.



Which set-up(s) would likely have mould growing after a few days?
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#: 28,628,604

Correctly answered feedback

Concept: Describe the characteristics of living things – need air, food and water to survive.
Setup A and B. Both setups have water/moisture/wet surfaces (air and warmth) for the mould to grow.
A and B as mould needs moisture to grow.

Incorrectly answered feedback

Concept: Describe the characteristics of living things – need air, food and water to survive.
Setup A and B. Both setups have water/moisture/wet surfaces (air and warmth) for the mould to grow.
A and B as mould needs moisture to grow.

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

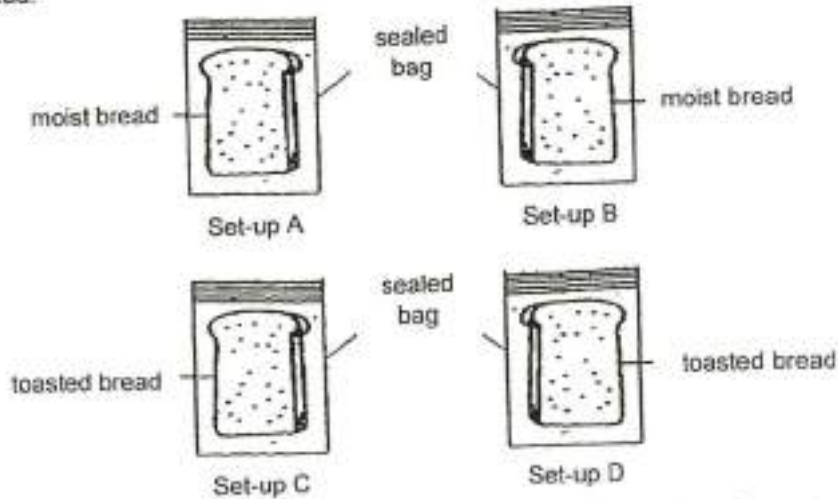
[Remove From Test](#)

Question 52

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sharon set up the following experiment in her classroom to grow some bread mould. She and her classmates observe the four pieces bread every day. After one week, they observed some mould growing on some of the pieces of bread.



What could Sharon do to increase the rate of mould growing on the bread? (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#: 28,628,611

Correctly answered feedback

Place the setup in a warm/dark place /add more water to the bread
 Open the bag to allow more air/water vapour to enter.
 Open the bag
 Put in the sun

Incorrectly answered feedback

Place the setup in a warm/dark place /add more water to the bread
 Open the bag to allow more air/water vapour to enter.
 Open the bag
 Put in the sun

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

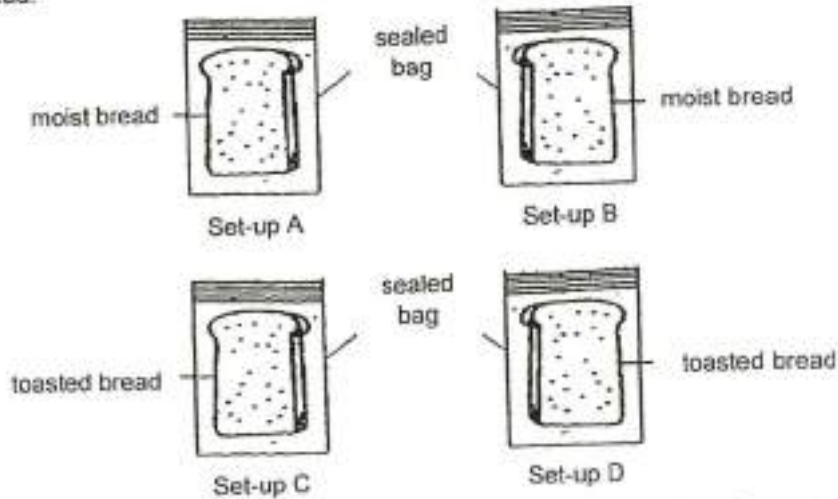
[Remove From Test](#)

Question 53

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Sharon set up the following experiment in her classroom to grow some bread mould. She and her classmates observe the four pieces bread every day. After one week, they observed some mould growing on some of the pieces of bread.



After a hot shower, Sharon dropped her towel into a laundry basket. After a few days, she noticed patches of mould on it. Her mum told her that she should hang her wet towel on the towel rack instead.

How does hanging her towel prevent the growth of mould? (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#: 28,628,614

Correctly answered feedback

Hanging the towel will make the towel dry and mould will not be able to grow as mould needs moisture to grow so there is no moisture for mould to grow.

Greater surface area to increase rate of evaporation (1/2m)

The water can be evaporated (1/2m)

Incorrectly answered feedback

Hanging the towel will make the towel dry and mould will not be able to grow as mould needs moisture to grow so there is no moisture for mould to grow.

Greater surface area to increase rate of evaporation (1/2m)

The water can be evaporated (1/2m)

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

[Remove From Test](#)

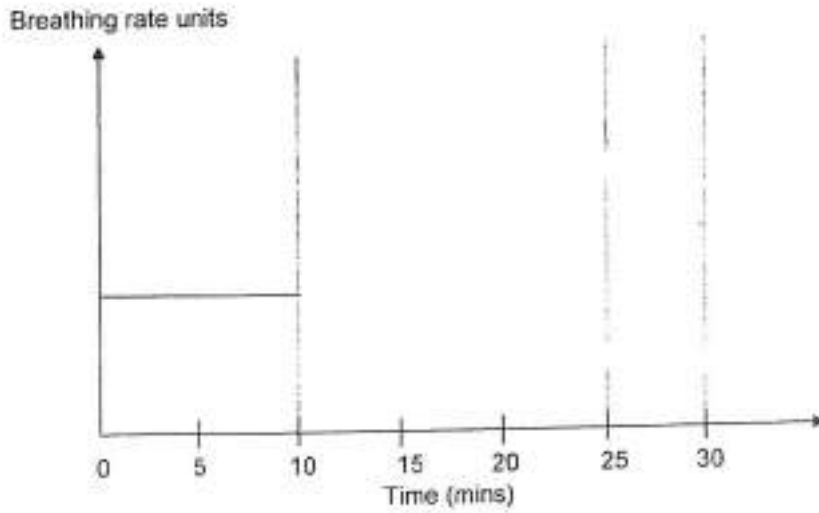
Question 54

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

During a physical education lesson, Jordan remained seated for the first 10 minutes to listen to his teacher's instruction. He then played frisbee with his friends continuously for the next 15 minutes. After that, he rested on a bench for 5 minutes.

Complete the graph below to show how Jordan's breathing rate changed between 10 minutes to 30 minutes. [3]



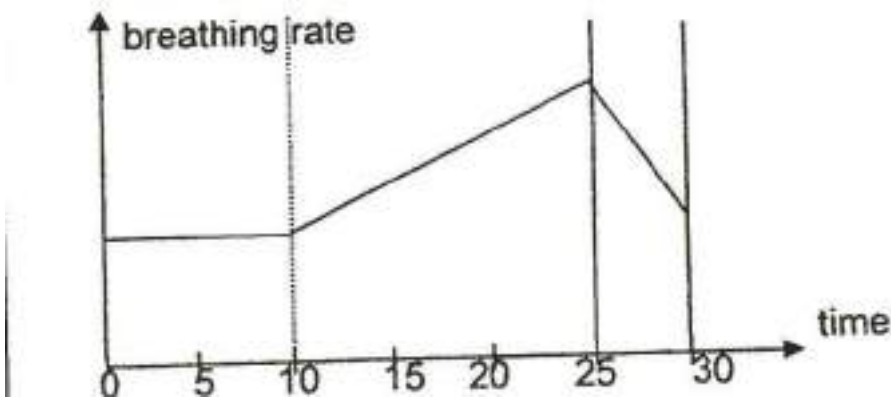
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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

Question Type: Essay
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,616

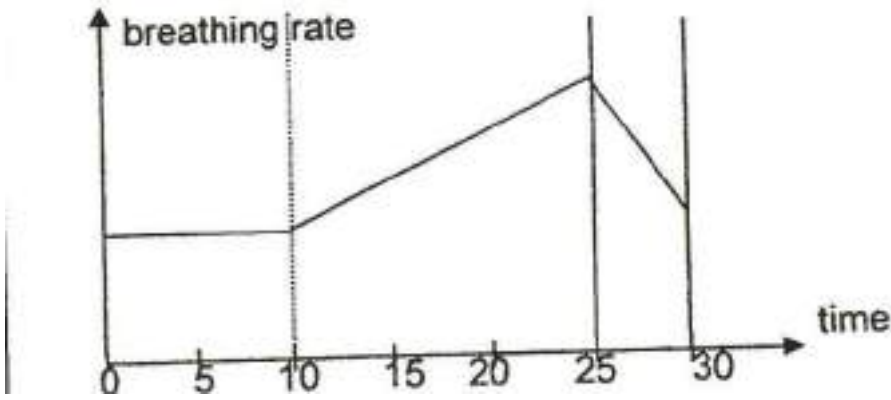
Correctly answered feedback

Concept: Process skills – drawing of graph



Incorrectly answered feedback

Concept: Process skills – drawing of graph



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

[Remove From Test](#)

Question 55

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

During a physical education lesson, Jordan remained seated for the first 10 minutes to listen to his teacher's instruction. He then played frisbee with his friends continuously for the next 15 minutes. After that, he rested on a bench for 5 minutes.

Jordan's heart rate changed while playing frisbee with his friends. Explain why this happened. (2 marks)

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,594

Correctly answered feedback

Concept: explain why heart rate increase as breathing rate increase - The breathing rate is affected by the intensity of physical activity carried out.

His heart has to beat faster/pump blood faster to supply the body cells/muscles with more oxygen/digested food

Incorrectly answered feedback

Concept: explain why heart rate increase as breathing rate increase - The breathing rate is affected by the intensity of physical activity carried out.

His heart has to beat faster/pump blood faster to supply the body cells/muscles with more oxygen/digested food

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

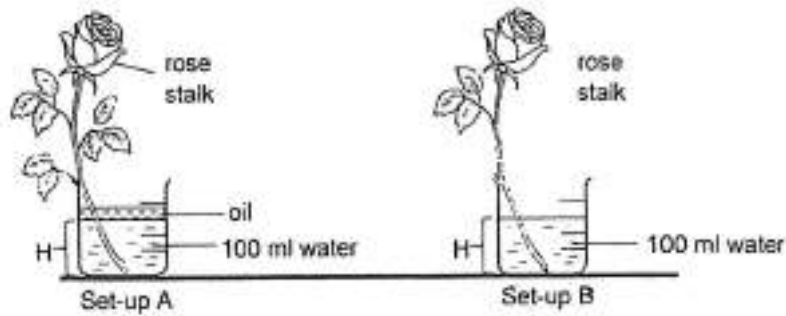
[Remove From Test](#)

Question 56

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Penny conducted an experiment in a classroom using set-ups A and B as shown. She removed most of the leaves from set-up B. She then recorded the height of water, H, at regular time intervals.



Explain why her experiment is not a fair one. (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#: 28,628,615

Correctly answered feedback

There is no oil in Setup B to prevent the water in the beaker from evaporation.
 There is oil in Steup A but no oil in Setup B.
 There is oil in Setup A.

Incorrectly answered feedback

There is no oil in Setup B to prevent the water in the beaker from evaporation.
 There is oil in Steup A but no oil in Setup B.
 There is oil in Setup A.

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

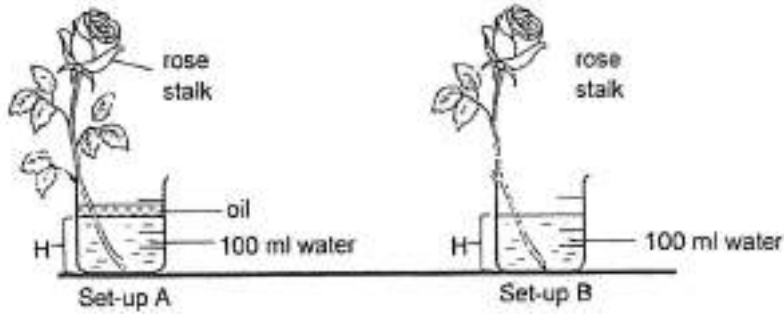
[Remove From Test](#)

Question 57

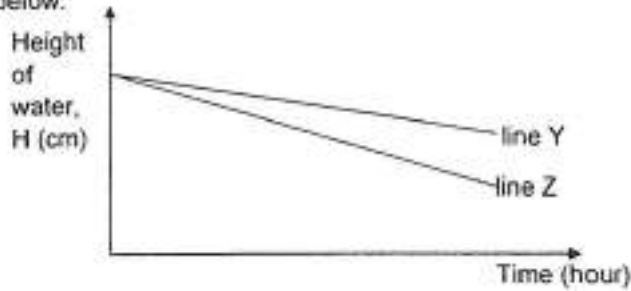
Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Penny conducted an experiment in a classroom using set-ups A and B as shown. She removed most of the leaves from set-up B. She then recorded the height of water, H , at regular time intervals.



After ensuring that her experiment is fair, she obtained the results as shown in the graph below:



What is the aim of this experiment? (1 mark)

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

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

Question Type: Essay
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,596

Correctly answered feedback

To find out if/how the number of leaves affects the amount/volume of water left in the beaker / height of water / amount of water taken in by the rose/stalk/plant

Incorrectly answered feedback

To find out if/how the number of leaves affects the amount/volume of water left in the beaker / height of water / amount of water taken in by the rose/stalk/plant

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

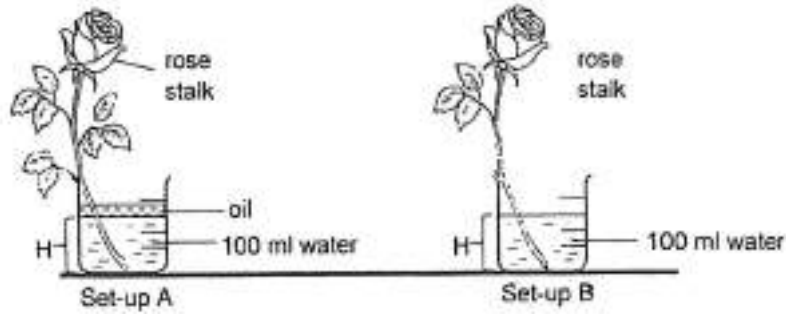
[Remove From Test](#)

Question 58

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

Penny conducted an experiment in a classroom using set-ups A and B as shown. She removed most of the leaves from set-up B. She then recorded the height of water, H, at regular time intervals.



State the changed and measured variables. (1 mark)

Changed variable: _____

Measured variable: _____

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#: 28,628,618

Correctly answered feedback

Changed: Number of leaves

Measured: The amount/volume of water left in the beaker / Height of water/amount of water taken in by the plant/rose stalk.

Incorrectly answered feedback

Changed: Number of leaves

Measured: The amount/volume of water left in the beaker / Height of water/amount of water taken in by the plant/rose stalk.

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

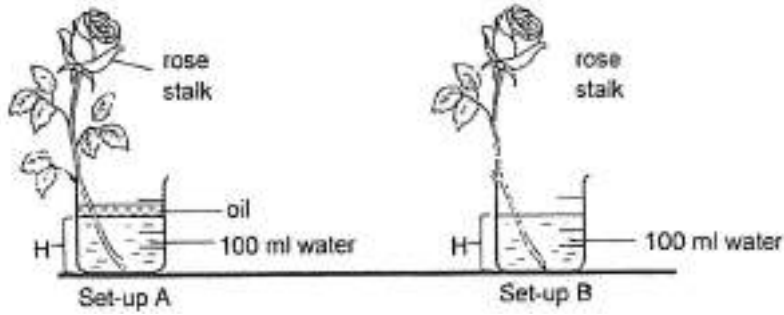
[Remove From Test](#)

Question 59

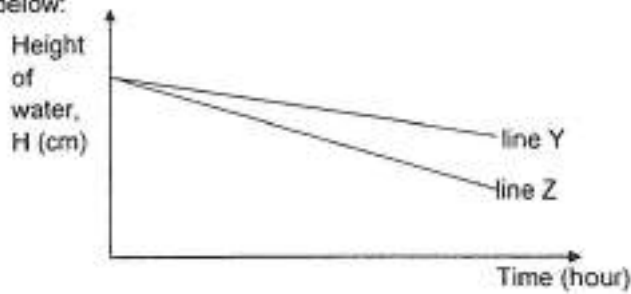
Primary 5 Science » Primary 5 Science (Term 2)

1 pt

Penny conducted an experiment in a classroom using set-ups A and B as shown. She removed most of the leaves from set-up B. She then recorded the height of water, H, at regular time intervals.



After ensuring that her experiment is fair, she obtained the results as shown in the graph below:



Which line, Y or Z, represents the results obtained for set-up A? Explain your answer.

Accepted answers:

- ✓ Line Z.
- ✓ Line Z
- ✓ Z

Question Type: Free Text
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,619

Correctly answered feedback

Line Z. There is a greater decrease in height of water (evidence) because of the greater number of leaves that take in more water.

More leaves to take in more water (1/2 mark) (*no reference to graph)

Incorrectly answered feedback

Line Z. There is a greater decrease in height of water (evidence) because of the greater number of leaves that take in more water.

More leaves to take in more water (1/2 mark) (*no reference to graph)

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

[Remove From Test](#)

Question 60

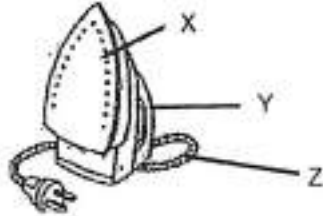
Primary 5 Science » Primary 5 Science (Term 2)

2 pts

The properties of four different materials, P, Q, R and S, are shown in the table below.

Material	Property of Material	
	Can bend easily	Can conduct heat easily
P	yes	yes
Q	yes	no
R	no	yes
S	no	no

The diagram below shows an iron for ironing of clothes.



Which one of the materials P, R and S is most suitable to make parts X?
Give a reason why material Q is suitable for part Z. (2 marks)

Part	Material	Reason for one of the property of the material
X		Its needs to be able to conduct heat easily to the clothes.
Z	Q	

Accepted answers:

- ✓ R
- ✓ Material R

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,620

Correctly answered feedback

Concept: Relate the use of various type of materials to their physical properties.

Part	Material	Reason for material used
X	R (1m)	It needs to be able to conduct heat easily to the clothes.
Z	Q	It should <u>not conduct heat easily</u> Or It can be <u>bent easily/flexible</u>

Incorrectly answered feedback

Concept: Relate the use of various type of materials to their physical properties.

Part	Material	Reason for material used
X	R (1m)	It needs to be able to conduct heat easily to the clothes.
Z	Q	It should not conduct heat easily Or It can be bent easily/flexible

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

[Remove From Test](#)

Question 61

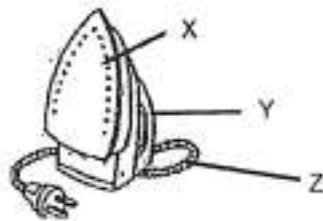
Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The properties of four different materials, P, Q, R and S, are shown in the table below.

Material	Property of Material	
	Can bend easily	Can conduct heat easily
P	yes	yes
Q	yes	no
R	no	yes
S	no	no

The diagram below shows an iron for ironing of clothes.



Suggest a suitable material for Part Y.

Accepted answers:

- ✓ Rubber
- ✓ plastic
- ✓ wood
- ✓ Material S

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,622

Correctly answered feedback

Rubber/plastic/wood/Material S

Incorrectly answered feedback

Rubber/plastic/wood/Material S

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

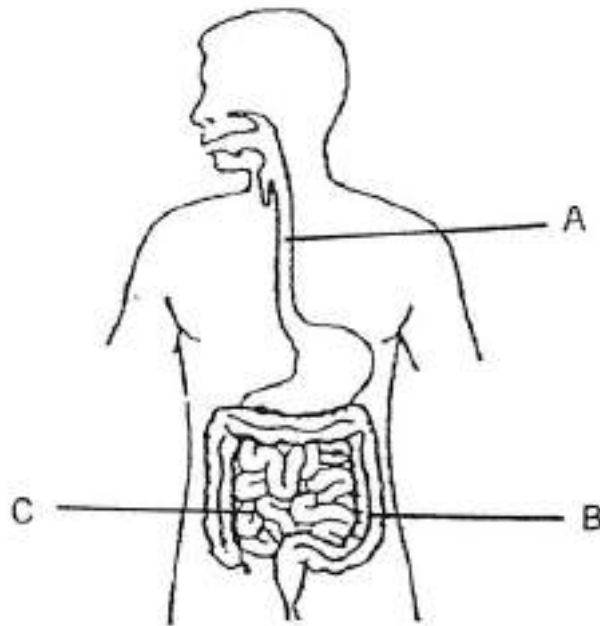
[Remove From Test](#)

Question 62

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram shows the human digestive system.



Name the part labelled A.

A: _____

Accepted answers:

✓ Gullet

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,623

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

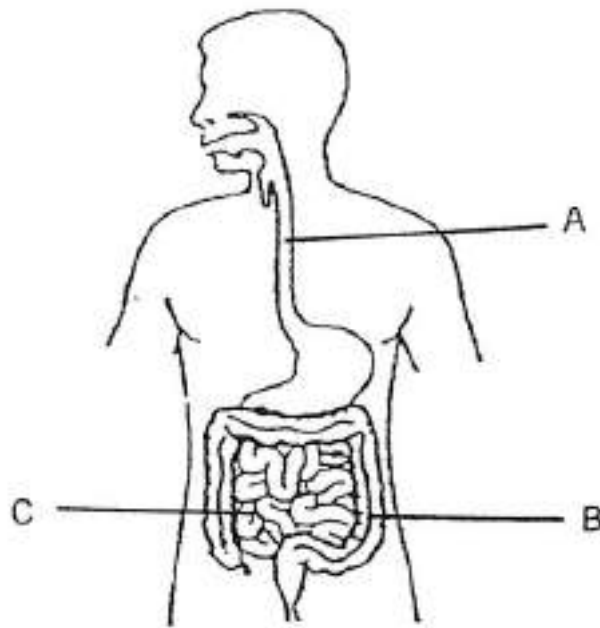
[Remove From Test](#)

Question 63

Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram shows the human digestive system.



Name the part labelled B.

B: _____

Accepted answers:

✓ Large intestines

Question Type: Free Text
Date Added: Thu 5th Aug 2021
Last Modified: N/A
QID#: 28,628,625

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

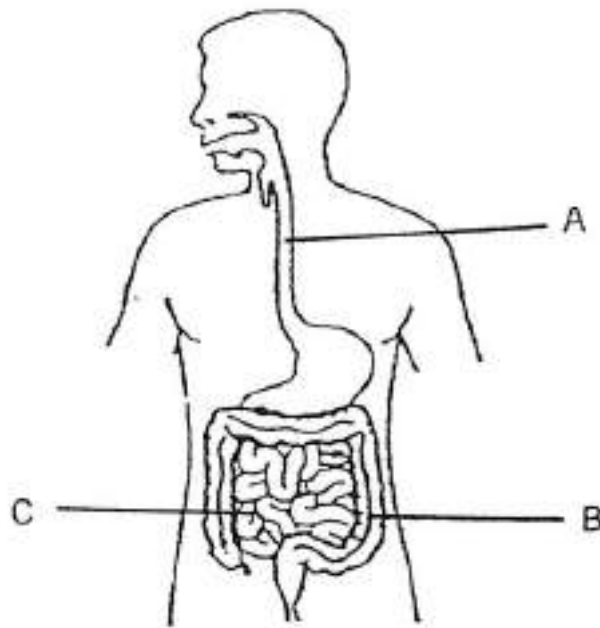
[Remove From Test](#)

Question 64

Primary 5 Science » Primary 5 Science (Term 2)

0 pts

The diagram shows the human digestive system.



Why is it important for part C to be very long? (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#: 28,628,606

Correctly answered feedback

Concept: Reason supporting function of the part of the digestive system

It can absorb more digested food/nutrients into the bloodstream.

OR

More time to complete digestion of food and also to allow for more time for small intestine to absorb the digested food into the bloodstream.

It has a lot of surface area to absorb as much digested food (0m)- no comparison shown

Absorbs food easily (0m)- no comparison shown

Incorrectly answered feedback

Concept: Reason supporting function of the part of the digestive system

It can absorb more digested food/nutrients into the bloodstream.

OR

More time to complete digestion of food and also to allow for more time for small intestine to absorb the digested food into the bloodstream.

It has a lot of surface area to absorb as much digested food (0m)- no comparison shown

Absorbs food easily (0m)- no comparison shown

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

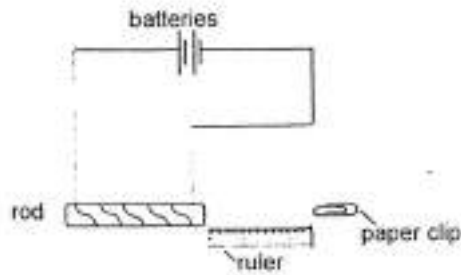
[Remove From Test](#)

Question 65

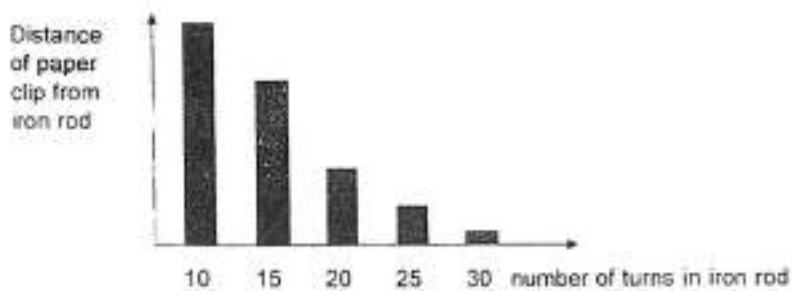
Primary 5 Science » Primary 5 Science (Term 2)

1 pt

The diagram below shows Jeremy's experiment using an electromagnet. When the electrical circuit was closed, the paper clip was slowly moved towards the iron rod.



The distance of the clip from the rod just before it was pulled was recorded. Jeremy increased the number of turns of wire around the iron rod and repeated the experiment. The results of the experiment are shown in the graph below.



What material must the paper clip be made of?

Accepted answers:

- ✓ Iron
- ✓ Steel
- ✓ Magnetic material
- ✓ magnetic metal
- ✓ Cobalt
- ✓ Nickel

Question Type: Free Text
 Date Added: Thu 5th Aug 2021
 Last Modified: N/A
 QID#: 28,628,626

Correctly answered feedback

Iron / Steel / Magnetic material / Magnetic Metal / Cobalt / Nickel

Incorrectly answered feedback

Iron / Steel / Magnetic material / Magnetic Metal / Cobalt / Nickel

