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 **(2020) Primary 5 Science (Term 4) - ACS**

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Test Questions

0 Test Assignments

Question 1

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

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

James describe an organism to Lucy

- It needs oxygen
- It makes its own food
- It reproduces by spores
- It gives out carbon dioxide

Which of these following is the organism most likely to be?

- A) Fern
- B) Grass
- C) Bacteria
- D) Mushroom

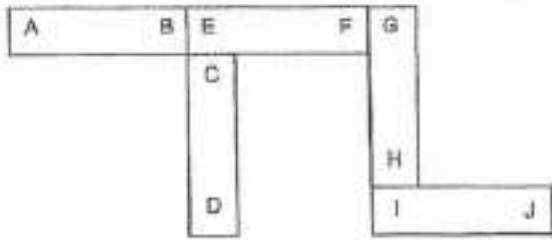
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,173

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

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Five bar magnets with their ends marked A to J can be arranged as shown.



Which pair of poles will likely attract each other?

- A) A and G
- B) B and F
- ✓ C) C and I
- D) D and E

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,210

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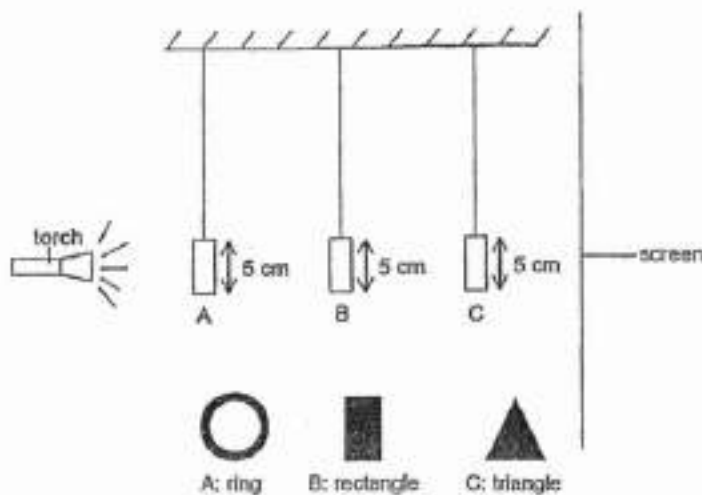
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Question 3

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The set-up shows light shining on three shapes, A, B and C, made of wood. They are hung from the ceiling and placed at different distances from the torch.



Which of the diagrams shows the shadow that was seen on the screen?

- A)



B)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,216

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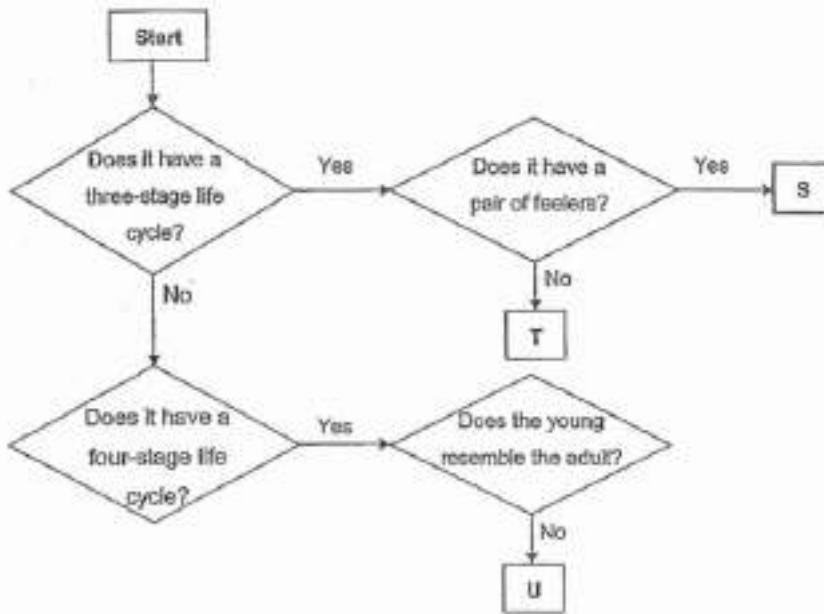
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Question 4

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the flow chart carefully.



Which of the following animals can be represented by S, T and U?

	S	T	U
(1)	cockroach	chicken	mosquito
(2)	chicken	cockroach	mealworm
(3)	grasshopper	rabbit	frog
(4)	mosquito	cockroach	rabbit

- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,228

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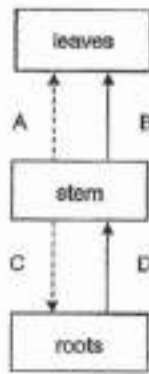
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Question 5

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram carefully.



Key:

→ Direction of water being transported.

---→ Direction of food being transported.

Which arrow wrongly shows the direction of the substance being transported in a plant?

- ✓ A) A
- B) B
- C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,234

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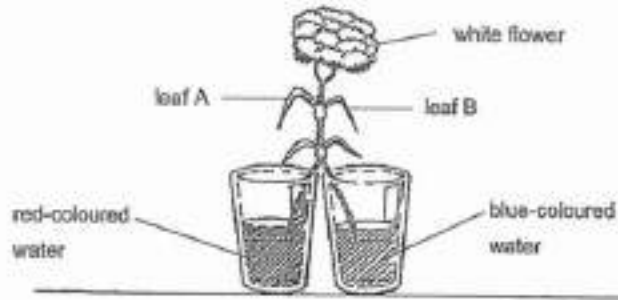
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Question 6

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

William set up an experiment using a plant with white flower as shown in the diagram. He split the stem of the plant into halves and put one half in red-coloured water while the other half in blue-coloured water.



After some time, William observed that leaf A, leaf B and the white flower were stained. Which of the following most likely shows how the parts of the plant were stained?

	Leaf A	Leaf B	White flower
(1)	half-stained red and half-stained blue	half-stained red and half-stained blue	stained purple
(2)	stained blue	stained red	half-stained red and half-stained blue
(3)	stained red	stained blue	stained purple
(4)	stained red	stained blue	half-stained red and half-stained blue

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,241

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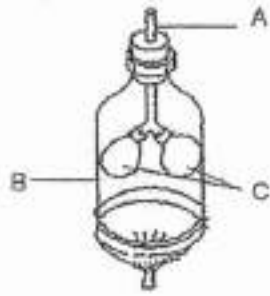
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Question 7

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Look at the diagram of a model of the human respiratory system.



What do parts A, B and C represent in the human respiratory system?

	A	B	C
(1)	chest	windpipe	lungs
(2)	lungs	windpipe	chest
(3)	windpipe	chest	lungs
(4)	windpipe	lungs	chest

- A) 1
 B) 2
 ✓ C) 3
 D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,245

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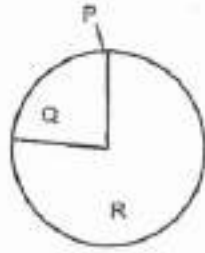
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Question 8

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The pie chart shows the composition of air.



Match parts P, Q and R to the correct gases in air.

	P	Q	R
(1)	nitrogen	oxygen	carbon dioxide
(2)	oxygen	nitrogen	carbon dioxide, water vapour and other gases
(3)	carbon dioxide and water vapour	nitrogen	oxygen
(4)	carbon dioxide, water vapour and other gases	oxygen	nitrogen

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,256

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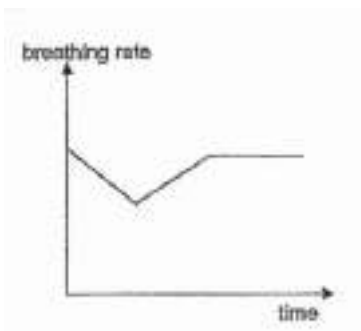
Question 9

Primary 5 Science » Primary 5 Science (Term 4)

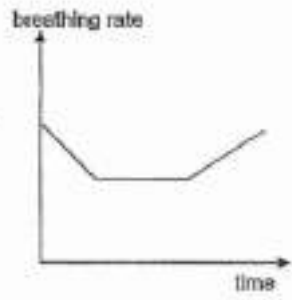
2 pts

Which of the following graphs shows the breathing rate of a boy over a period of time when he rested at the beginning, then sprinted for a short distance and finally rested again?

A)



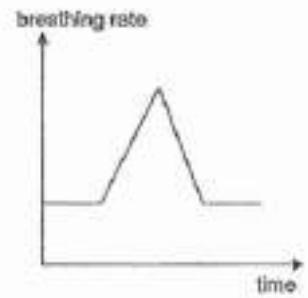
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
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QID#: 28,963,275

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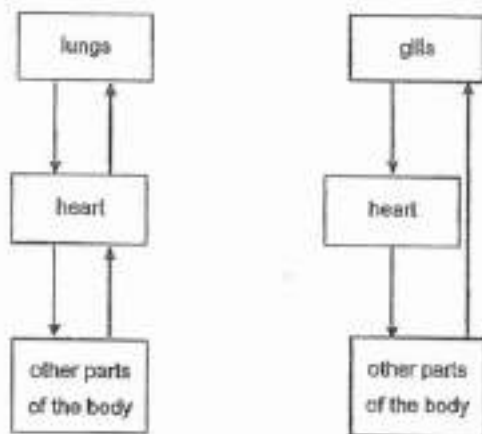
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Question 10

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

In the diagrams shown, the arrows represent the flow of blood in two different systems.



Which of the following statements is most likely true about the systems?

- A) The lungs and gills pump blood to the other parts of the body
- ✓ B) The lungs receive blood rich in carbon dioxide from the heart
- C) The gills receive blood rich in oxygen from the other parts of the body
- D) Both hearts receive blood rich in oxygen from the other parts of the body

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,297

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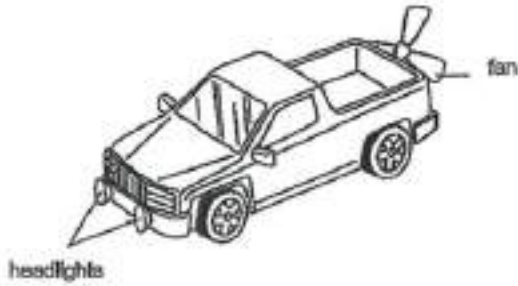
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Question 11

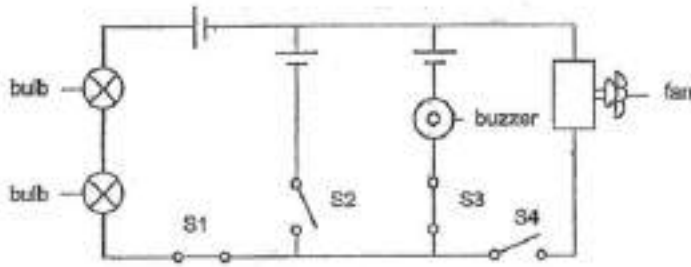
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Peter has a toy car as shown in the diagram. There are two bulbs, four switches, a fan and a buzzer fixed to the toy car. All the components are in working condition.



The circuit shows the arrangement of the components in the toy car.



If Peter closes switches S1 and S3 and opens switches S2 and S4, which of the following will he observe?

	Bulbs	Buzzer	Fan
(1)	light up	makes sounds	does not spin
(2)	light up	does not make sound	spin
(3)	light up	makes sounds	spin
(4)	do not light up	makes sounds	does not spin

- ✓ A) 1
- B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 9th Sep 2021
 Last Modified: N/A
 QID#: 28,963,363

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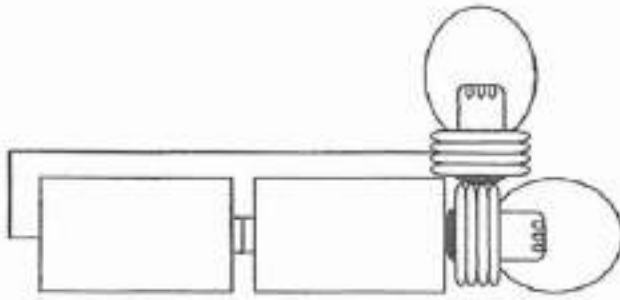
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Question 12

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram carefully.



The batteries and light bulbs in the circuit shown are in working condition. However, the light bulbs did not light up.

Which of the following statements is a possible explanation for the above observation?

- A) The bulbs were arranged wrongly
- ✓ B) The batteries were arranged wrongly
- C) There was no switch to close the circuit
- D) The number of wires used was not enough

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,386

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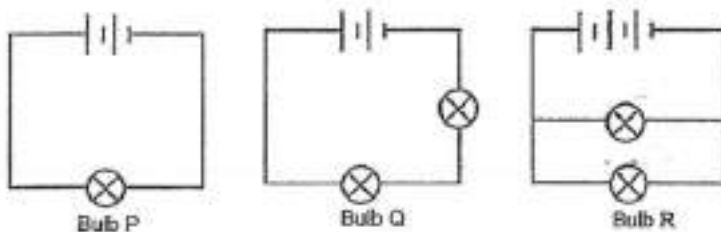
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Question 13

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows three circuits with different arrangements of identical batteries and identical bulbs. The batteries and bulbs are in working condition.



Which of the following shows the correct order of the brightness of the bulbs, starting with the brightest bulb?

- A) P,Q,R
- B) P,R,Q
- C) Q,R,P
- ✓ D) R,P,Q

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,398

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Question 14

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following are ways to conserve electricity?

- A Switch to energy saving light bulbs
- B Ensure the tap is turned off when brushing teeth
- C Turn off electrical appliances when not in use
- D Use the air conditioner instead of the fan on a cool day

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,420

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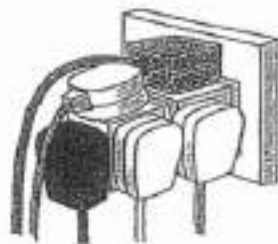
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Question 15

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The picture shows many plugs inserted into a main socket.



Which of the following best explains why we should not have too many plugs inserted into a main socket?

- ✓ A) The circuit may overload and may result in a fire
- B) The plugs will drop off easily from the main socket
- C) There may not be enough electricity for the rest of the house
- D) The appliances will not work well as they will have to share electricity

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,449

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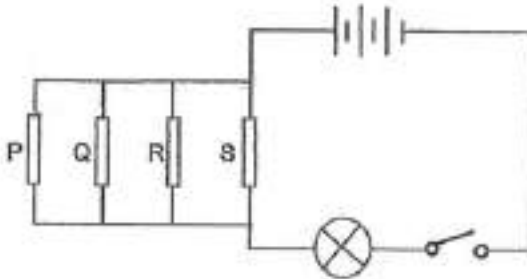
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Question 16

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Tom wanted to investigate whether four rods, P, Q, R and S, were electrical conductors or insulators. He set up the circuit as shown.



The table shows what happened to the bulb when the switch was closed and certain rod(s) was/were removed.

Rod(s) removed from the circuit	Did the bulb light up?
P	Yes
Q and R	Yes
P and Q	No
P, R and S	Yes

Which of the following correctly represents the four rods P, Q, R and S?

	P	Q	R	S
(1)	conductor	insulator	conductor	insulator
(2)	insulator	insulator	conductor	conductor
(3)	conductor	conductor	insulator	insulator
(4)	insulator	conductor	insulator	conductor

- A) 1
 B) 2
 ✓ C) 3
 D) 4

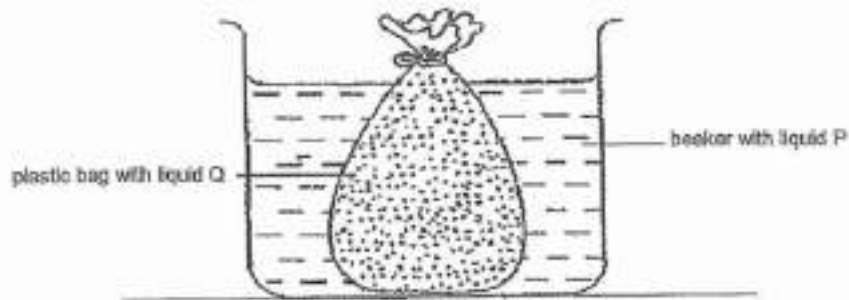
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,457

Question 17

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Avin prepared a set-up as shown in the diagram.



He placed a tightly sealed plastic bag containing liquid Q into a beaker containing liquid P.

After 5 minutes, he observed that some liquid P was found in the plastic bag.

Based on his observation, which part of the plant cell has a similar function as the plastic bag shown above?

- A) cell wall
- B) cytoplasm
- C) chloroplast
- ✓ D) cell membrane

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,472

Question 18

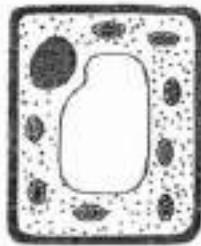
Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows different parts of a plant.



The diagram below shows a cell taken from one part of the plant above.



Which part of the plant is the cell most likely taken from?

- A) A
- ✓ B) B
- C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,480

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Question 19

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Four students observed three cells, A, B and C, and recorded their observations in the table shown.

Cell Structure	Cell A	Cell B	Cell C
Cell wall	Absent	Present	Present
Cytoplasm	Present	Present	Present
Chloroplast	Absent	Absent	Present
Cell membrane	Present	Present	Present

They then made the following conclusions based on the information above.

Student	Conclusion made
Kaelan	Cell A can reproduce but Cells B and C cannot.
Shavin	Cell C can make food but Cells A and B cannot.
Calvin	Cells A and B are irregular in shape but Cell C is not.
Eu Jin	Cells B and C are plant cells but Cell A is an animal cell.

Which of the students made correct conclusions?

- A) Kaelan and Shavin only
- B) Calvin and Eu Jin only
- ✓ C) Shavin and Eu Jin only
- D) Kaelan , Calvin and Shavin only

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Thu 9th Sep 2021
 Last Modified: N/A
 QID#: 28,963,505

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Question 20

Primary 5 Science » Primary 5 Science (Term 4)

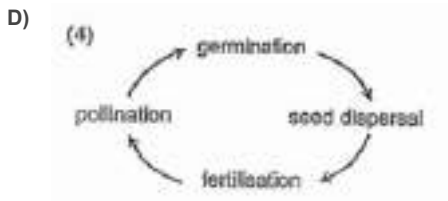
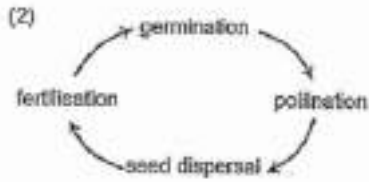
2 pts

Which of the following shows the correct sequence of processes in the reproduction of a flowering plant?

✓ A)



B)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
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QID#: 28,963,533

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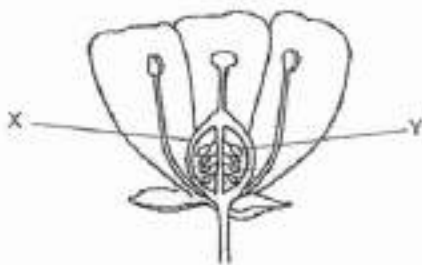
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Question 21

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram of a flower carefully.



What would parts X and Y become after fertilisation?

	X	Y
(1)	ovary	ovule
(2)	fruit	ovule
(3)	fruit	seed
(4)	ovary	seed leaf

A) 1

- B) 2
- ✓ C) 3
- D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,541

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Question 22

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram shows an insect visiting a flower.



Which of the statements is most likely true about the flower?

- A) It has no pollen
- ✓ B) It has a strong scent
- C) Its stigma is not sticky
- D) Its petals are dull in colour

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,553

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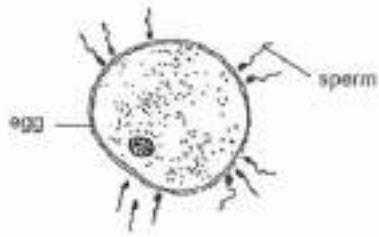
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Question 23

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagram carefully.



Which of the statements about fertilisation in humans is correct?

- ✓ A) Only one sperm fuses with the egg
- B) The egg has a cell wall that protects it
- C) Only the egg contains genetic information
- D) The egg will allow all the sperms to fuse with it

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,569

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Question 24

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Study the diagrams carefully.



At which part does cell division take place after the egg is fertilised?

- A) A
- ✓ B) B
- C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,577

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Question 25

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following will not change as a person grows from a child into an adult?

- A: Height
- B: Fingerprint
- C: Colour of the eyes
- D: Ability to roll the tongue

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,600

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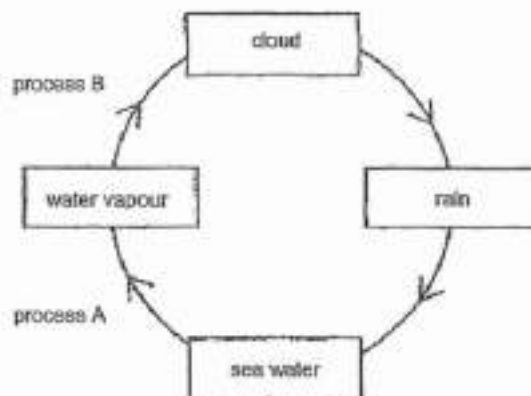
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Question 26

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram represents the water cycle.



Which of the following correctly states whether heat is gained or lost during processes A and B?

	process A	process B
(1)	Heat is lost.	Heat is gained.
(2)	Heat is gained.	Heat is lost.
(3)	Heat is lost.	Heat is lost.
(4)	Heat is gained.	Heat is gained.

- A) 1
- B) 2



C) 3

D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,609

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Question 27

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

Which of the following activities helps us to conserve water?

- A) Not repairing a leaking pipe
- B) Soak in a bath tub instead of taking a quick shower
- C) Use the water from washing rice grains to water plants
- D) Let the water run from the tap while brushing our teeth

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,627

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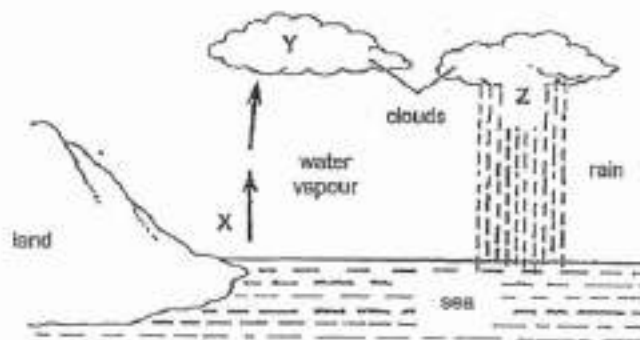
Question 28

Primary 5 Science » Primary 5 Science (Term 4)

2 pts

The diagram represents the water cycle.

X, Y and Z are certain processes that must occur to ensure the continuity of the water cycle.



Which of the following statements about the water cycle is correct?

- A) X take place during the day only

- B) Z takes place when water droplets condenses
- C) Y takes place when water vapour evaporates
- ✓ D) Z returns water in the liquid state back to earth

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,655

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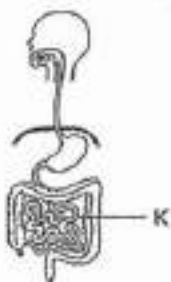
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Question 29

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram shows the human digestive system.



- (a) What happens to the food after it is broken down into simpler substances in part K? [1]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,666

Correctly answered feedback

The digested food is absorbed into the bloodstream

Incorrectly answered feedback

The digested food is absorbed into the bloodstream

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

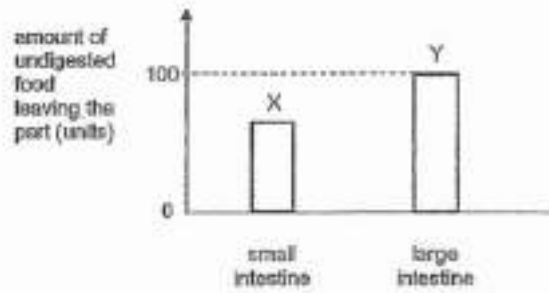
[Remove From Test](#)

Question 30

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

- (b) To study the function of the small intestine and large intestine, Ronald plotted bar graphs X and Y to show the amount of undigested food leaving each of the two parts.



He plotted graph Y wrongly. Should bar graph Y be the 'same as' or 'lower than' bar graph X? Explain your answer. [1]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,687

Correctly answered feedback

The bar graph should be the same as X.
 The large intestine does not absorb undigested food

Incorrectly answered feedback

The bar graph should be the same as X.
 The large intestine does not absorb undigested food

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

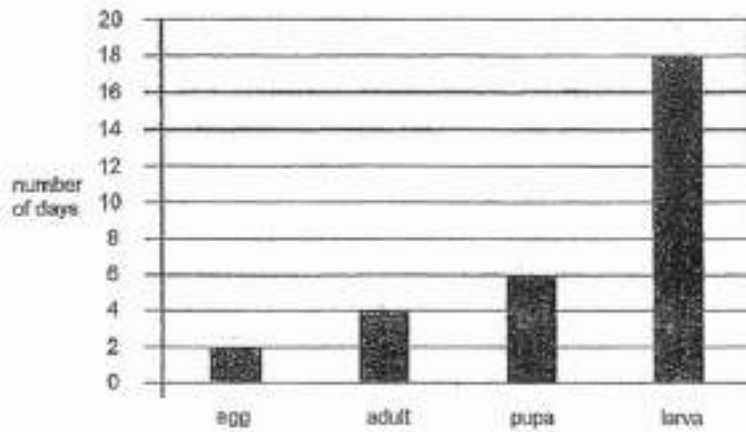
[Remove From Test](#)

Question 31

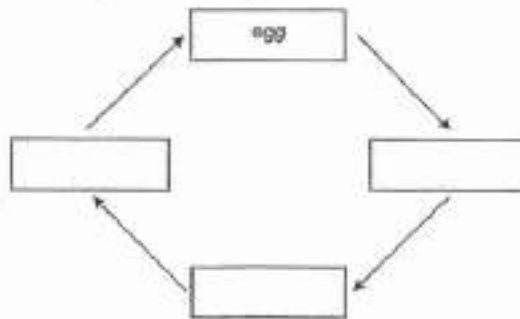
Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Jim studied the life cycle of insect X. He recorded the number of days for each stage of its life cycle in the graph as shown. However, Jim did not present the stages of the life cycle in the correct order.



(a) Write down the stages of the life cycle of insect X in the correct order. [1]



Question Type: Essay
 Date Added: Thu 9th Sep 2021
 Last Modified: N/A
 QID#: 28,963,705

Correctly answered feedback

larva, pupa, adult

Incorrectly answered feedback

larva, pupa, adult

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 32

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Based on Jim's results, how many days does it take for insect X to become an adult after the egg has hatched?

Question Type: Essay
 Date Added: Thu 9th Sep 2021
 Last Modified: N/A
 QID#: 28,963,715

Correctly answered feedback

24 days

Incorrectly answered feedback

24 days

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 33

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

(a) Draw a line to complete each statement about the amount of gases we exhale and inhale. [1]

When we exhale, the amount of nitrogen is	●	●	less than what we inhale.
When we exhale, the amount of oxygen is	●	●	more than what we inhale.
When we exhale, the amount of carbon dioxide is	●	●	the same as what we inhale.

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,722

Correctly answered feedback



Incorrectly answered feedback



Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 34

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Describe the path that oxygen from the surrounding air takes to enter the blood in our body

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A

QID#: 28,963,737

Correctly answered feedback

When a person inhale air, air enters the nose and windpipe into the lungs. This is where gaseous exchange takes places and oxygen is absorbed into the blood

Incorrectly answered feedback

When a person inhale air, air enters the nose and windpipe into the lungs. This is where gaseous exchange takes places and oxygen is absorbed into the blood

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 35**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) State the part where the exchange of gases takes place in:

Human:

Leaves :

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,746

Correctly answered feedback

Human: Air sacs
Leaves: Stomata

Incorrectly answered feedback

Human: Air sacs
Leaves: Stomata

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 36**

Primary 5 Science » Primary 5 Science (Term 4)

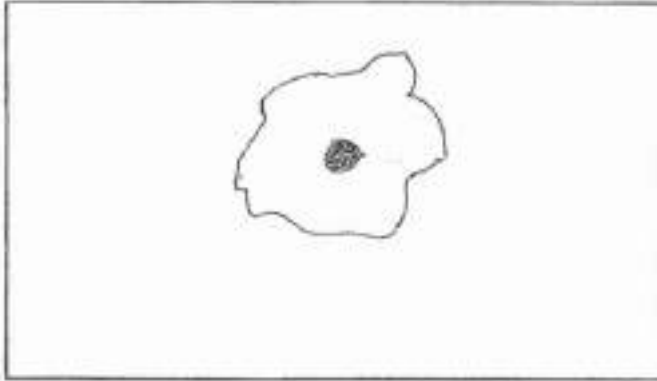
0 pts

Max observed a human cheek cell under a microscope.

- (a) Using a pencil, draw a cell that he would have observed in the box provided below.
In your drawing, label two cell parts, P and Q. [2]

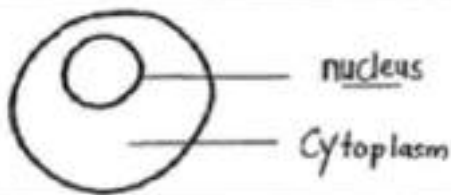
P: a jelly-like substance where cell activities take place

Q: a cell part which controls all activities

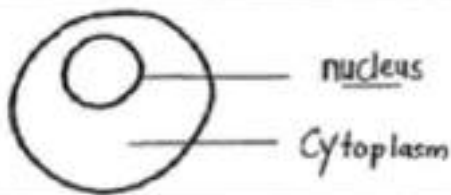


Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,761

Correctly answered feedback



Incorrectly answered feedback



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

[Remove From Test](#)

Question 37

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Max then observed a single-celled microorganism Y found in pond water under a microscope. Microorganism Y has some parts that trap sunlight to make food during the day.



(b) State one similarity and one difference between the human cheek cell and microorganism Y. [2]

Similarity:

Difference:

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,773

Correctly answered feedback

Similarity : Both the cheek cell and microorganism Y have a nucleus
 Difference: Microorganism Y has tail but the cheek cell does not

Incorrectly answered feedback

Similarity : Both the cheek cell and microorganism Y have a nucleus
 Difference: Microorganism Y has tail but the cheek cell does not

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

Question 38

Primary 5 Science » Primary 5 Science (Term 4) 0 pts

a) State why living things reproduce

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,777

Correctly answered feedback

To ensure the survival of their species

Incorrectly answered feedback

To ensure the survival of their species

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

Question 39

Primary 5 Science » Primary 5 Science (Term 4) 0 pts

(b) Observe the diagrams carefully.



Ali



Ali's father



Ali's mother

Explain why the shape of Ali's thumb looks similar to his father's thumb but not his mother's. [1]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,780

Correctly answered feedback

The shape of the thumb is pass from Ali's father to him

Incorrectly answered feedback

The shape of the thumb is pass from Ali's father to him

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

[Remove From Test](#)

Question 40

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Which reproductive part in both humans and females flowering plants has a similar function? Explain

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,790

Correctly answered feedback

The part is ovary. The ovary produces the plant or female reproductive cell

Incorrectly answered feedback

The part is ovary. The ovary produces the plant or female reproductive cell

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

[Remove From Test](#)

Question 41

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

d) Explain why male human reproductive cells are produced in large numbers each time during sexual reproduction

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,799

Correctly answered feedback

To increase the chances of fertilisation

Incorrectly answered feedback

To increase the chances of fertilisation

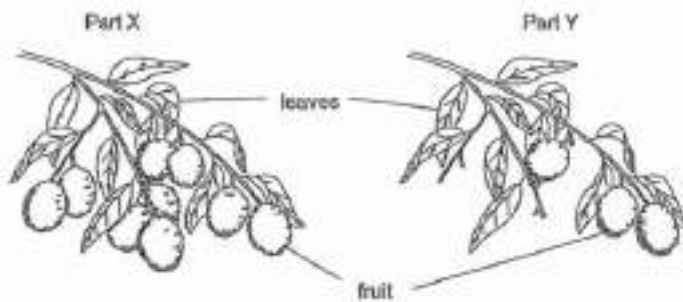
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

[Remove From Test](#)**Question 42**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Louis carried out an experiment on two parts, X and Y, of two similar plants. He removed some fruits from part Y but not part X as shown. Both parts have the same number of leaves and were grown in the same location with the same conditions.



- (a) Explain how the remaining fruits on part Y grew bigger than those on part X after some time. [2]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,819

Correctly answered feedback

Part Y fruits grew bigger because the fruits got a lot of food and water because the food and water did not have to be distributed among a lot of fruit unlike in part X where there is many more fruits

Incorrectly answered feedback

Part Y fruits grew bigger because the fruits got a lot of food and water because the food and water did not have to be distributed among a lot of fruit unlike in part X where there is many more fruits

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

[Remove From Test](#)**Question 43**

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

- b) Why did Louis choose plants from the same location for a fair test?

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,826

Correctly answered feedback

To ensure that the plants receive the same amount of water

Incorrectly answered feedback

To ensure that the plants receive the same amount of water

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

[Remove From Test](#)

Question 44

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Describe the function of the water- carrying tubes in plants

Question Type: Essay

Date Added: Thu 9th Sep 2021

Last Modified: N/A

QID#: 28,963,834

Correctly answered feedback

The water carrying tubes transport water and minerals from the roots to leaves of the plant

Incorrectly answered feedback

The water carrying tubes transport water and minerals from the roots to leaves of the plant

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

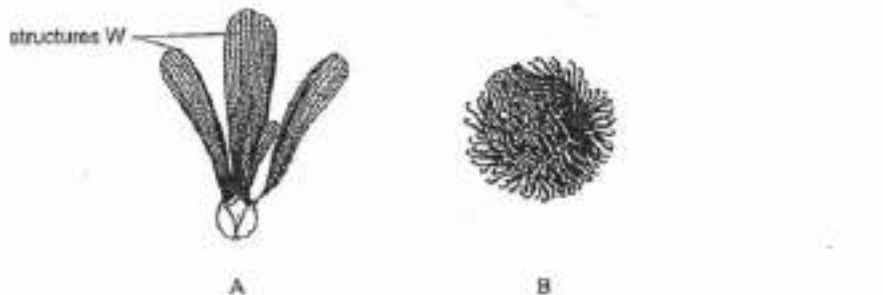
[Remove From Test](#)

Question 45

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagrams show two fruits, A and B, with different methods of dispersal.



- (a) Based on the diagrams, which fruit, A or B, is more likely to be dispersed by animals? Explain your answer. [2]

Question Type: Essay

Date Added: Thu 9th Sep 2021

Last Modified: N/A

QID#: 28,963,845

Correctly answered feedback

Fruit B. It has hook's so when animals pass by the fruit can stick to the animal's outer covering.

Incorrectly answered feedback

Fruit B. It has hook's so when animals pass by the fruit can stick to the animal's outer covering.

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

[Remove From Test](#)

Question 46

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Structure W of fruit A were completely removed. How would this affect the distance travelled by fruit A from its parent plant during its dispersal?

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,871

Correctly answered feedback

The distance travelled would be shorter

Incorrectly answered feedback

The distance travelled would be shorter

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

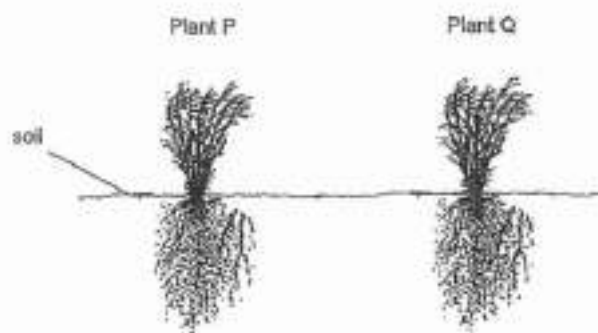
[Remove From Test](#)

Question 47

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram shows two similar plants growing side by side in a farm.



(c) (ii) State two substances that both plants P and Q need from the soil to survive. [1]

_____ and _____

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,885

Correctly answered feedback

nutrients and minerals

Incorrectly answered feedback

nutrients and minerals

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

[Remove From Test](#)

Question 48

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

cii. Explain the advantage of growing the two plants with a space in between them

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,893

Correctly answered feedback

They do not need to compete for water and minerals

Incorrectly answered feedback

They do not need to compete for water and minerals

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

[Remove From Test](#)

Question 49

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Alice cooked some soup in a pot and wanted to keep it as hot as possible.



Should she place the pot on a metal or wooden surface? Explain your answer.

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,908

Correctly answered feedback

Wooden surface as wood is a poor conductor of heat. Therefore it will conduct heat slower from the hot pot

Incorrectly answered feedback

Wooden surface as wood is a poor conductor of heat. Therefore it will conduct heat slower from the hot pot

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

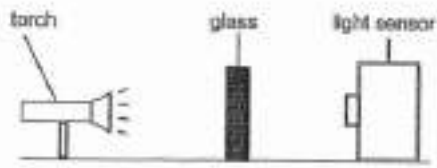
[Remove From Test](#)

Question 50

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Robert wanted to find out which glass, A, B, C or D, is most suitable to be used for his room window to prevent as much light as possible from entering. He placed a piece of glass in front of a torch and shone a light through it as shown. He conducted the experiment in a dark room.



The amount of light that passed through the glass was measured and recorded in the table below. He repeated his experiment with different types of glasses but of identical size with the same torch and light sensor.

Glass	Amount of light that passed through (units)
A	2000
B	1600
C	1200
D	1450

(a) Based only on the results, what is a conclusion that Robert can make?

[1]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,914

Correctly answered feedback

Glass C allow the least light to pass through

Incorrectly answered feedback

Glass C allow the least light to pass through

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

[Remove From Test](#)

Question 51

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Suggest another variable to be kept constant

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,919

Correctly answered feedback

Keep the distance between the glass and the torch the same

Incorrectly answered feedback

Keep the distance between the glass and the torch the same

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

[Remove From Test](#)

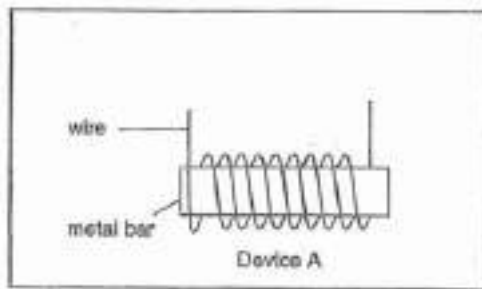
Question 52

Device A is used to move the toy car which has a steel bar on it.



(a) Using a pencil and ruler, draw electrical components to close the circuit in Device A below so that the toy car can move towards it. Use electrical symbols in your drawing.

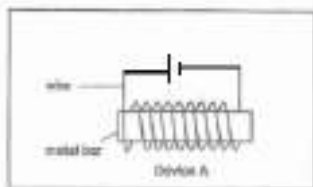
[1]



Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: Mon 13th Sep 2021
QID#: 28,963,929

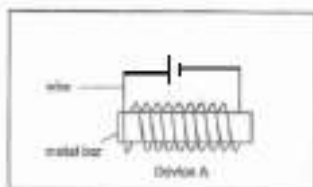
Correctly answered feedback

Connect a battery to the circuit with wires without any gaps



Incorrectly answered feedback

Connect a battery to the circuit with wires without any gaps



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

[Remove From Test](#)

Question 53

b) What could be done to Device A so that the toy car can move faster?

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,938

Correctly answered feedback

Add more coils of wire to the metal bar

Incorrectly answered feedback

Add more coils of wire to the metal bar

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

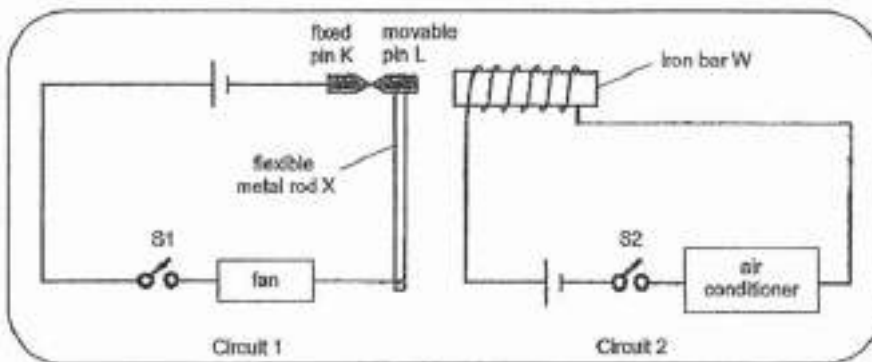
[Remove From Test](#)

Question 54

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

Roy designed an electrical system for a fan and an air conditioner as shown. The system prevents both the fan and air conditioner from being turned on at the same time.



Iron bar W is placed inside a coil of wire. K and L are two iron pins in contact with each other. Pin K is fixed. Pin L is attached to a metal rod X which can move sideways. Roy closed switch S1 to turn the fan on. Next, he closed switch S2 which turned the air conditioner on.

(a) Explain why Pin L would move towards iron bar W when switch S2 was closed. [1]

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,950

Correctly answered feedback

When switch S2 is closed, circuit 2 forms a closed. Iron bar W would become an magnet to attract pin L

Incorrectly answered feedback

When switch S2 is closed, circuit 2 forms a closed. Iron bar W would become an magnet to attract pin L

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

[Remove From Test](#)

Question 55

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) Give a reason why the fan would turn off when switch S2 was closed

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,962

Correctly answered feedback

When switch S2 was closed, pin L would move towards W. It creates a gap between Pin K and Pin L

Incorrectly answered feedback

When switch S2 was closed, pin L would move towards W. It creates a gap between Pin K and Pin L

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

[Remove From Test](#)

Question 56

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) Explain why Roy's electrical system would not work if Pin L was changed to copper

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,988

Correctly answered feedback

Copper is a non magnetic material
When switch S1 and S2 are closed, circuit 2 is a closed circuit but Pin L is non attract to W because copper is a non magnetic material, so the circuit 1 with the fan would still be closed.
Therefore, both the fan and air conditional will be turned on at the same time

Incorrectly answered feedback

Copper is a non magnetic material
When switch S1 and S2 are closed, circuit 2 is a closed circuit but Pin L is non attract to W because copper is a non magnetic material, so the circuit 1 with the fan would still be closed.
Therefore, both the fan and air conditional will be turned on at the same time

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

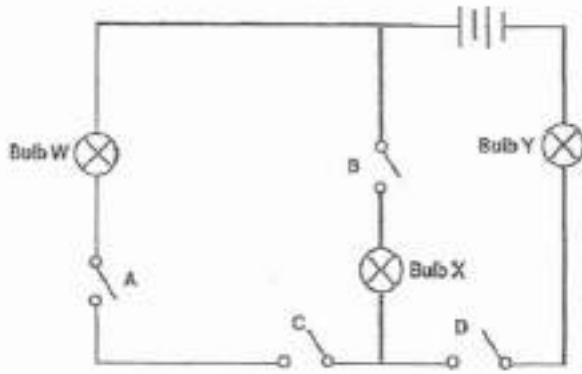
[Remove From Test](#)

Question 57

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram represents an electrical circuit with four switches, A, B, C and D.



(a) Which two switches must be closed for two bulbs to light up at the same time? [1]

Switches _____ and _____

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,963,996

Correctly answered feedback

Switch S1 and S2

Incorrectly answered feedback

Switch S1 and S2

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

[Remove From Test](#)

Question 58

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) When all the switches are closed and Bulb X fuses, explain why bulb Y can still light up.

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,964,007

Correctly answered feedback

A closed circuit can still be formed where electricity can flower through bulb W and Y in the circuit

Incorrectly answered feedback

A closed circuit can still be formed where electricity can flower through bulb W and Y in the circuit

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

[Remove From Test](#)

Question 59

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) State which two bulbs are arranged in parallel
 Bulbs ___ and ___

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,964,015

Correctly answered feedback

Bulb W and X

Incorrectly answered feedback

Bulb W and X

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

[Remove From Test](#)

Question 60

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

d) State one advantage of arranging bulbs in parallel

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,964,022

Correctly answered feedback

The one bulb fuses, the other bulbs can still light up

Incorrectly answered feedback

The one bulb fuses, the other bulbs can still light up

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

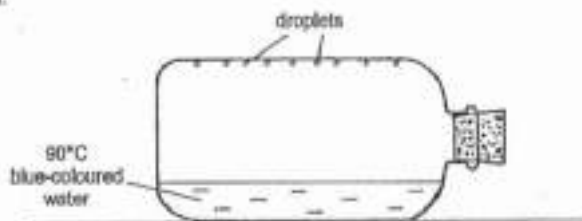
[Remove From Test](#)

Question 61

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

The diagram shows a tightly sealed glass container with some 80°C blue-coloured water in it.



(a) Name the two processes that caused the droplets to form.

[1]

_____ and _____

Question Type: Essay
Date Added: Thu 9th Sep 2021
Last Modified: N/A
QID#: 28,964,028

Correctly answered feedback

X,Z

Incorrectly answered feedback

X,Z

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

Question 62

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

b) What is the color of the droplets formed?

Question Type: Essay**Date Added:** Thu 9th Sep 2021**Last Modified:** N/A**QID#:** 28,964,034**Correctly answered feedback**

colourless

Incorrectly answered feedback

colourless

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

Question 63

Primary 5 Science » Primary 5 Science (Term 4)

0 pts

c) What would most likely happen to the amount go droplets if 50 degree celcius blue coloured water was used instead? Explain your answer

Question Type: Essay**Date Added:** Thu 9th Sep 2021**Last Modified:** N/A**QID#:** 28,964,048**Correctly answered feedback**

The amount of droplets would decrease.
Less water will turn into water vapour
Therefore, less water vapour will turn into tiny water droplets

Incorrectly answered feedback

The amount of droplets would decrease.
Less water will turn into water vapour
Therefore, less water vapour will turn into tiny water droplets

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