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Primary 6 Science (Prelim) - ACS (Y0) ↗

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66 Questions (32 Points)

Question Bank: 12,655 Questions ?

Test Questions **0 Test Assignments**

Question 1

Primary 6 Science » Primary 6 Science (Prelim)

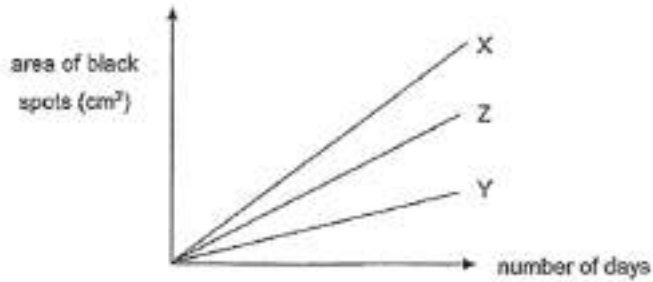
1 pt

For each question, four options are given. One of them is the correct answer. (28 x 2 marks = 56 marks)

Devi carried out an experiment on three similar slices of bread under different conditions.

Bread	Conditions
Slice A	Placed on a table in the kitchen
Slice B	Sprinkled with water and kept in the cupboard
Slice C	Put in an airtight container and kept in the refrigerator

She observed the three slices of bread for black spots over ten days and plotted the results in the graph.



Which slices of bread best represent X, Y and Z in the graph?

	X	Y	Z
(1)	Slice A	Slice B	Slice C
(2)	Slice A	Slice C	Slice B
(3)	Slice B	Slice A	Slice C
(4)	Slice B	Slice C	Slice A

- A. 1
 B. 2
 C. 3
 ✓ D. 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,092

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Question 2

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The table shows some characteristics of three organisms, P, Q and R. A tick (✓) indicates that the organism has that characteristic.

Organism	Can make its own food	Can reproduce by spores	Can be seen only under a microscope
P		✓	
Q	✓	✓	
R			✓

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

	P	Q	R
(1)	Cat	Rose plant	Mushroom
(2)	Mushroom	Bird's nest fern	Bacteria
(3)	Bacteria	Bird's nest fern	Rose Plant
(4)	Yeast	Mushroom	Bacteria

- A. 1
 ✓ B. 2
 C. 3
 D. 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,105

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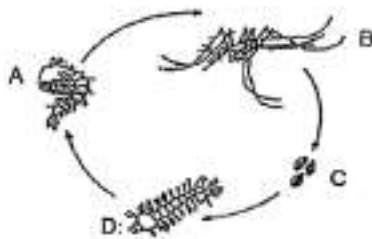
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Question 3

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows the life cycle of a mosquito. Tim sprayed oil onto the possible breeding grounds of mosquitoes in order to reduce the number of mosquitoes.



In which of the following two stages does this method help to reduce the number of mosquitoes?

- A. A and B
 ✓ B. A and D

- C. C and B
- D. C and D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,110

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Question 4

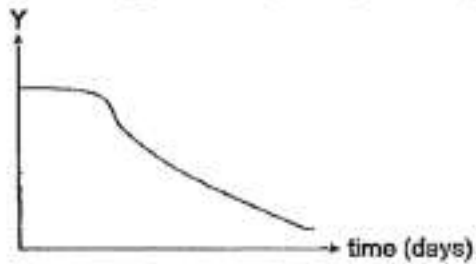
Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a seedling.



Ahmad observed the seedling for a few days and plotted the graph as shown.



What could the vertical axis, Y, of the graph represent?

- A. Mass of the seedling
- B. Height of the seedling
- C. Length of the root of the seedling
- ✓ D. Size of the seed leaves of the seedling

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,122

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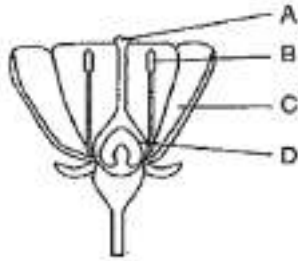
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Question 5

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a flower with parts labelled A, B, C and D.



During the process of pollination, pollen grains are transferred from part _____ to part _____.

- A. A,B
- ✓ B. B,A
- C. B,C
- D. C,D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,125

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Question 6

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Which of the following two traits can be passed from parents to their young?

- A Eye colour
- B Hair length
- C Fingerprint
- D Ability to roll tongue

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,133

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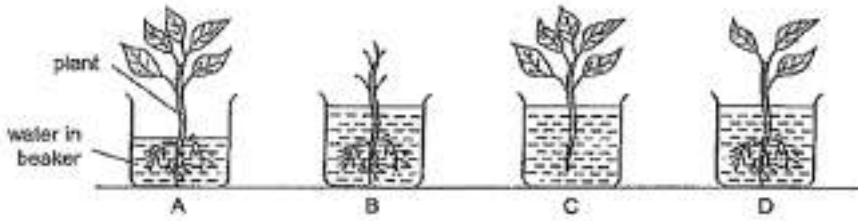
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Question 7

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Kay prepared four set-ups with identical beakers to investigate whether a plant can survive without its leaves.



Which of the following pairs of set-ups should she choose to test her aim?

- A. A and B
- B. A and C
- ✓ C. D and B
- D. D and C

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,141

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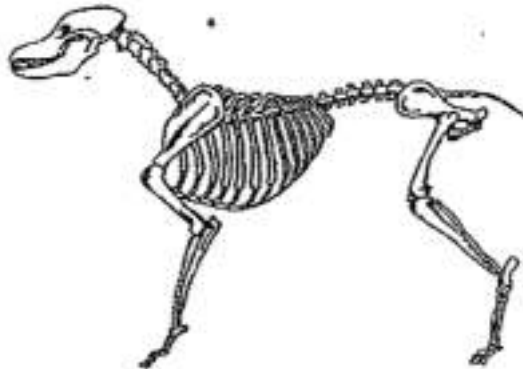
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Question 8

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows the skeleton of an animal.



Which of the following is/are the function(s) of the skeleton?

- A Protects the vital organs.
- B Allows the animal to move.
- C Shows the outer covering of the animal.
- D Provides structure and shape for the animal.

- A. A only
- B. B and D only

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,149

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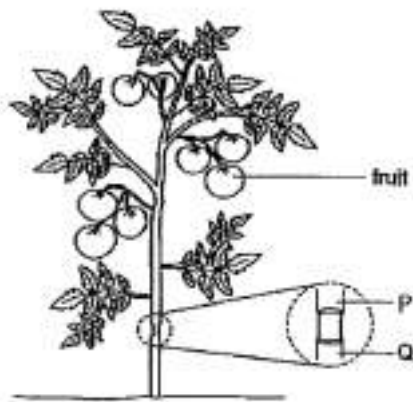
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Question 9

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Jackie removed the outer ring of the stem from a plant between P and Q as shown.
 Only the food-carrying tubes were cut away with this outer ring.



After ten days, which of the following are likely observations that Jackie could make about the plant?

- A Part P will be swollen.
 B Part Q will be swollen.
 C The leaves have dried up.
 D The fruits have grown bigger.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,160

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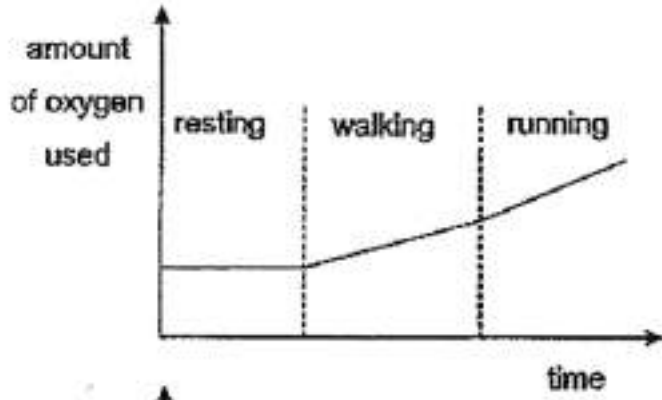
Question 10

Primary 6 Science » Primary 6 Science (Prelim)

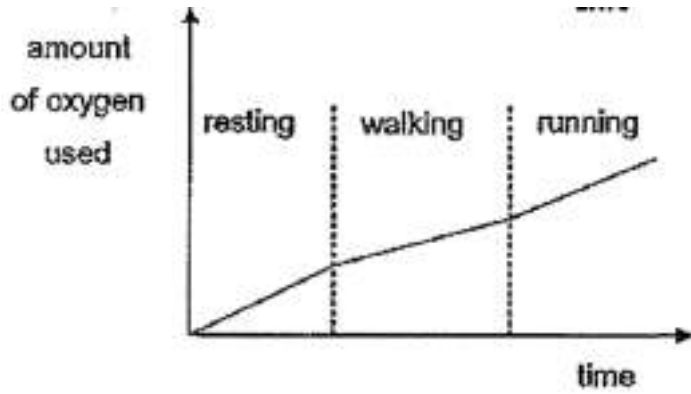
1 pt

Jie Yong carried out three consecutive activities, resting, walking and running, over a period of time. Which of the graphs best represents the amount oxygen Jie Yong used during each activity?

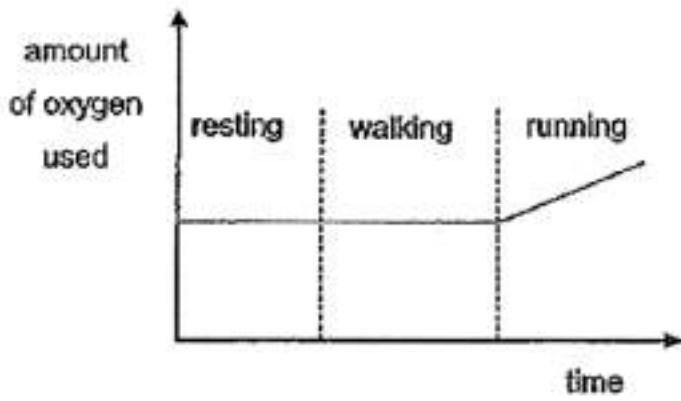
✓ A.



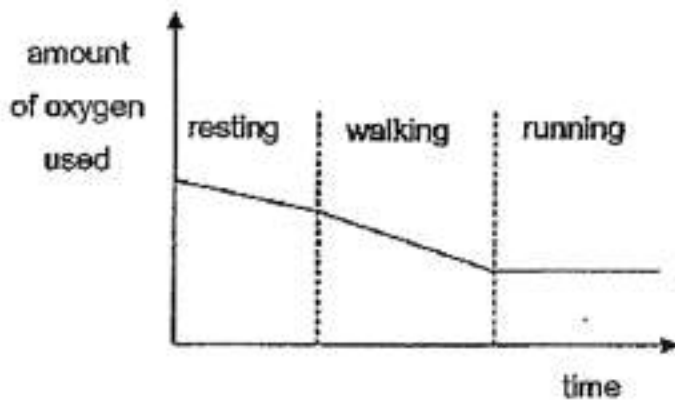
B.



C.



D.



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,186

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Question 11

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The table shows the different cell parts present in cells P, Q, R and S. A tick (✓) indicates that the cell part is present.

Cell part	Cell			
	P	Q	R	S
Nucleus	✓	✓	✓	✓
Cell Wall	✓		✓	
Cytoplasm	✓	✓	✓	✓
Chloroplast			✓	
Cell Membrane	✓	✓	✓	✓

Which cell, P, Q, R or S, is most likely from the root of a plant?

- ✓ A. P
- B. Q
- C. R
- D. S

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,191

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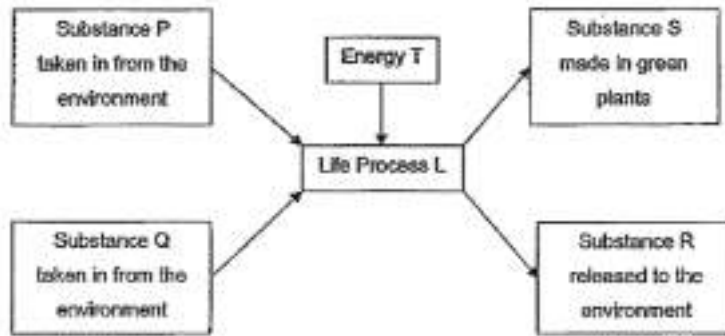
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Question 12

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram represents a life process, L, which takes place in green plants.



Which of the following represents P, Q, R, S and T?

	Substance				Energy T
	P	Q	R	S	
(1)	oxygen	water	carbon dioxide	food	heat
(2)	carbon dioxide	water	oxygen	food	light
(3)	oxygen	carbon dioxide	food	water	heat
(4)	food	carbon dioxide	oxygen	water	light

- A. 1
 ✓ B. 2
 C. 3
 D. 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,199

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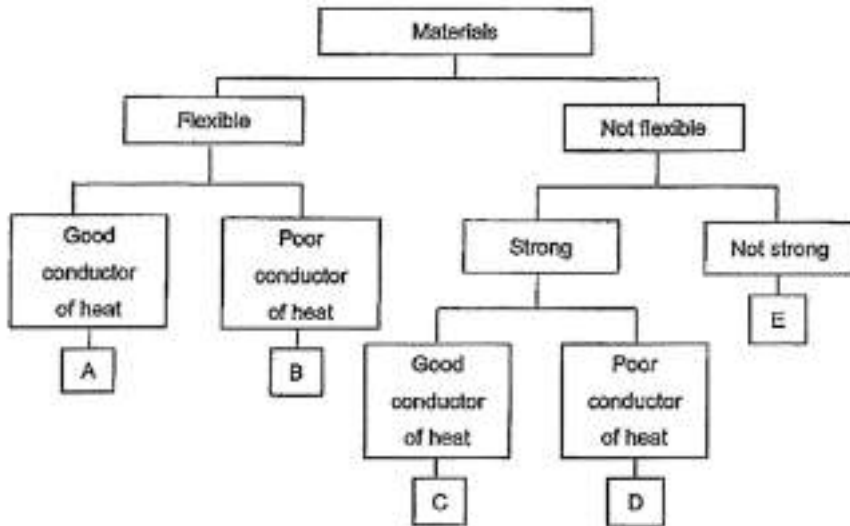
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Question 13

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Study the classification chart.



Which materials are most suitable for making oven gloves and baking trays when baking?

	Oven gloves	Baking trays
(1)	A	C
(2)	B	D
(3)	B	C
(4)	E	E

- A. 1
- B. 2
- ✓ C. 3
- D. 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,207

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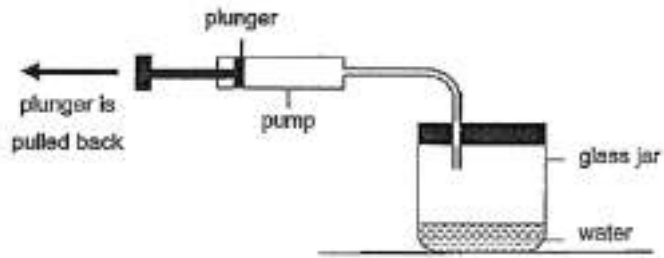
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Question 14

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a pump which is connected to a glass jar. The volume of the glass jar is 300 cm^3 and it contains 30 cm^3 of water.



Each time the plunger of the pump is pulled back completely, 20 cm^3 of air would be drawn out of the glass jar.

Which of the following shows the correct volume of air and water in the glass jar after the plunger is pulled back completely once?

	Volume of air (cm^3)	Volume of water (cm^3)
(1)	250	50
(2)	250	30
(3)	270	30
(4)	290	10

- A. 1
 B. 2
 ✓ C. 3
 D. 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,214

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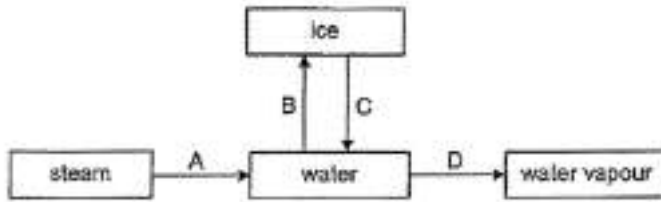
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Question 15

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The arrows in the diagram show some processes which involve the changes of state of water. Each process involves either a heat gain or heat loss.



Which pair of arrows represents the processes which involve heat gain?

- A. A and B
- B. A and D
- C. C and B
- ✓ D. C and D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,225

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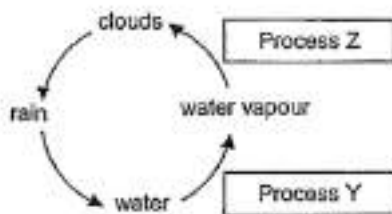
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Question 16

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows the water cycle.



Which of the following statements about processes Y or Z in the water cycle is correct?

- A. Heat is needed for process Z only
- ✓ B. Process Y occurs at any temperature
- C. Process Y occurs during day time only
- D. Process Z involves a liquid becoming gas

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A

QID#:

29,420,232

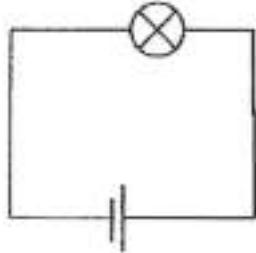
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[Remove From Test](#)**Question 17**

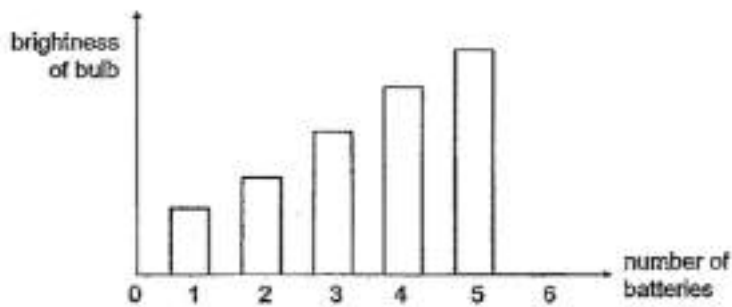
Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a simple circuit.



Gregory added batteries, one at a time, in a series arrangement to the circuit and recorded the brightness of the bulb. The graph shows his results.



Which of the following is/are possible explanation(s) why the brightness of the bulb was zero when the sixth battery was added?

- A Too many batteries were added to the circuit.
- B The sixth battery did not have any potential energy.
- C The wire and the sixth battery were not connected properly.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,241

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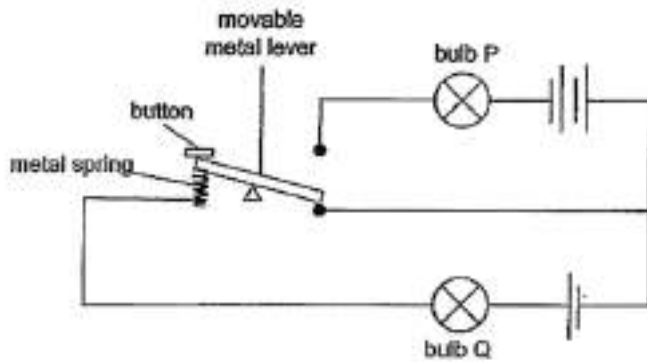
[Remove From Test](#)**Question 18**

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows how the brightness of the bulb(s) in a circuit is/are controlled by a button. The bulbs and batteries used are identical and are in working condition.

When the button is not pressed, only bulb Q lights up with a brightness of 10 units.



What would happen to the brightness of both bulbs P and Q if the button is pressed and held down?

	Bulb P	Bulb Q
(1)	10 units	0 units
(2)	more than 10 units	0 units
(3)	10 units	more than 10 units
(4)	more than 10 units	more than 10 units

- A. 1
 B. 2
 C. 3
 ✓ D. 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,287

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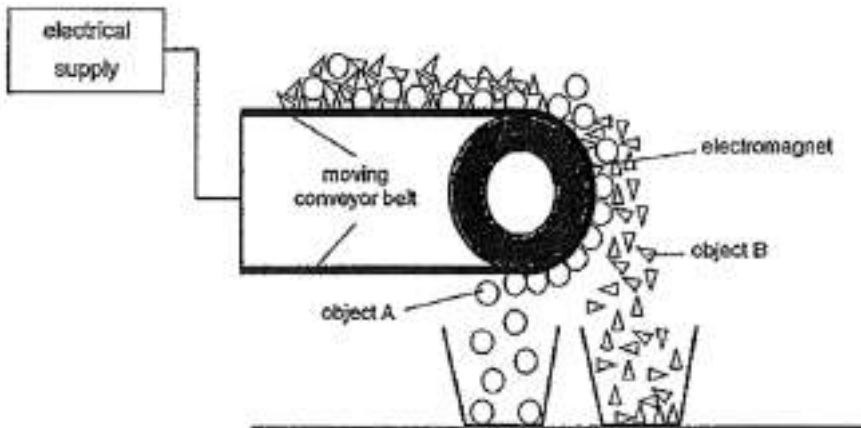
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Question 19

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows how an electromagnetic conveyor belt is used to separate objects A and B.



Based only on the above diagram, which of the following statements is likely to be true?

- A. The electromagnet is made of aluminium
- B. Both objects A and B are conductors of electricity
- C. Both objects A and B are made of magnetic materials
- ✓ D. Object A is made of steel while object B is made of copper

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,300

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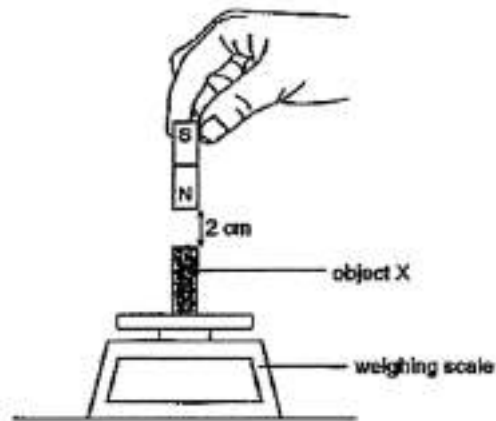
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Question 20

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

In an experiment, Mr Lim placed object X on the weighing scale and the scale showed a reading of 10 units. He then placed a bar magnet 2 cm directly above object X and the scale showed a reading of 12 units.



Next, Mr Lim flipped the bar magnet over and held it 2 cm directly above object X, as shown.



What would be the new reading on the weighing scale?

- ✓ A. 0 unit
- B. 10 unit
- C. 12 unit
- D. 22 unit

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,304

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

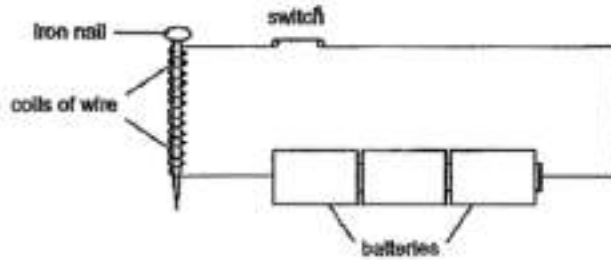
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Question 21

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Kasheem conducted an experiment to find out how the number of coils of wire around an iron nail would affect the strength of the magnetised nail.



The strength of the magnetised nail is measured by the number of paper clips that it could attract. Kasheem recorded the results in the table.

Number of coils of wire around iron nail	Number of paper clips attracted
10	7
20	10
30	13
40	15
50	16
60	16
70	16

Based only on the results, which of the following conclusion(s) can be made?

- A The magnetised nail will be able to attract more than 16 paper clips if four batteries are used.
- B The maximum number of paper clips that can be attracted by the magnetised nail is 16.
- C After 50 coils of wire, the number of coils of wire around the nail will not increase the strength of the magnetised nail.

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

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,312

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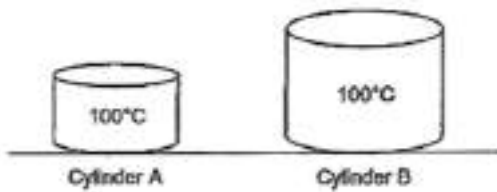
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Question 22

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows two iron cylinders, A and B, heated to 100°C.



Which of the following is correct?

- A. Cylinder A is hotter than Cylinder B
- ✓ B. Cylinder A has less heat energy than Cylinder B
- C. Both cylinders have the same amount of heat energy
- D. Both cylinders will take the same amount of time to reach room temperature

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,319

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

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Question 23

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The picture shows a man pushing a box across the floor.



Which of the following makes it difficult for the man to push the box?

- A The mass of the box.
- B The force the man used to push the box.
- C The friction between the box and the floor.
- D The friction between the man's feet and the floor.

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

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,327

Answers | Edit | Duplicate | Used In | Reorder

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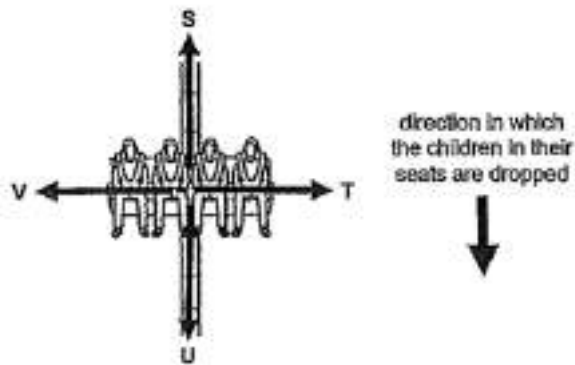
Question 24

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The picture shows several children sitting on a carnival ride. During one part of the ride, the children in their seats are dropped from a certain height.

S, T, U and V represent the direction of possible forces acting on the children during this part of the ride.



Which arrows show the direction of gravity and friction acting on the children respectively when the seats drop?

	Direction of gravity	Direction of friction
(1)	U	S
(2)	U	V
(3)	S	T
(4)	S	V

- ✓ A. 1
- B. 2
- C. 3
- D. 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,331

Answers | Edit | Duplicate | Used In | Reorder

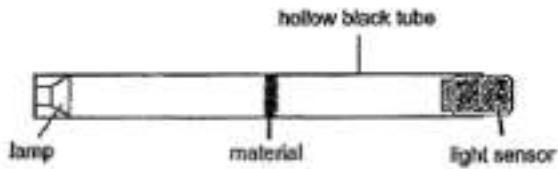
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Question 25

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Ephraim set up the following experiment to measure the amount of light that can pass through four materials, A, B, C and D using a light sensor.



He recorded the results in the table.

Material	Amount of light detected (units)
A	270
B	156
C	0
D	97

Which of the following shows the correct arrangement of materials from one that allows least light to pass through to one that allows most light to pass through?

	allows least light to pass through		allows most light to pass through	
(1)	A	B	C	D
(2)	B	D	C	A
(3)	C	A	D	B
(4)	C	D	B	A

- A. 1
 B. 2
 C. 3
 ✓ D. 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,335

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

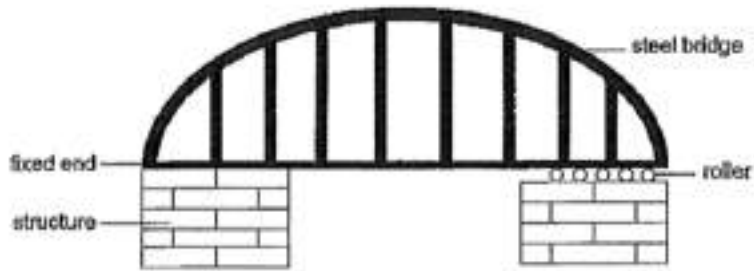
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Question 26

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a steel bridge. One end of the bridge is fixed securely to the structure unlike the other end which is resting on rollers as shown.



Which of the following statement(s) explain(s) why one end of the bridge is resting on the rollers?

- A To reduce friction between the structure and the bridge.
- B To allow the bridge to expand on hot days without damaging the structure.
- C To allow the rollers to contract on cold days without damaging the structure.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,361

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

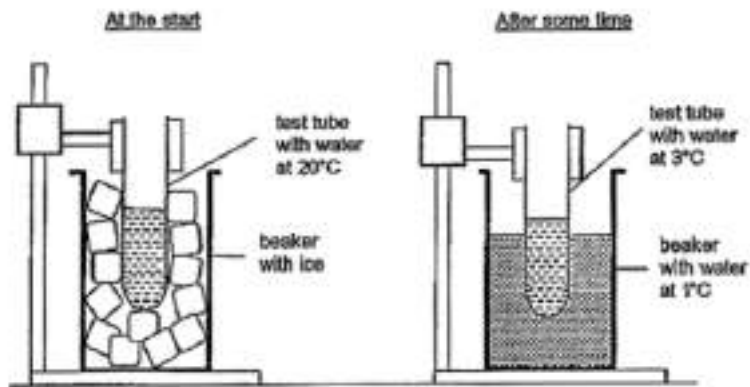
[Remove From Test](#)

Question 27

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Shirleen carried out an experiment as shown. A test tube containing water at 20°C was placed in the centre of a beaker with some ice cubes. The beaker was then left in a room for some time.



Based on the experiment above, which of the following are correct?

- A The ice cubes gained heat from the surrounding and melted.
- B The ice cubes lost heat to the water in the test tube and melted.
- C The beaker gained heat from the surrounding and became cooler.
- D The water in the test tube lost heat to the ice cubes and became cooler.

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

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,371

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

[Remove From Test](#)

Question 28

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The diagram shows a man bowling.



Which of the following best shows the energy conversions when the bowling ball rolls on the ground and hits the pins down?

- A. kinetic energy (bowling ball) → heat energy (pins) → kinetic energy (pins)
- B. potential energy (man) → kinetic energy (bowling ball) → sound energy (pins) + heat energy (pins)
- ✓ C. kinetic energy (bowling ball) → kinetic energy (pins) + sound energy (pins) + heat energy (pins)
- D. potential energy (bowling ball) → potential energy (man) → kinetic energy (bowling ball) → sound energy (pins) + heat energy (pins)

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,383

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

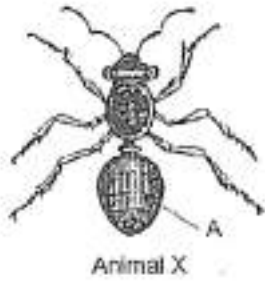
[Remove From Test](#)

Question 29

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Two boys, Elliott and Jimmy, saw two animals in the garden as shown.



Elliott said that both are insects but Jimmy said that only Animal X is an insect.

(a) Based on your observation, who is correct? Give a reason for your answer.

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,393

Correctly answered feedback

Elliott. Animal X and Y both have 3 body parts and 6 legs like an insect.

Incorrectly answered feedback

Elliott. Animal X and Y both have 3 body parts and 6 legs like an insect.

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

[Remove From Test](#)

Question 30

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) State a characteristic of insects that the boys might have learnt which is not observed from the above pictures

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,400

Correctly answered feedback

Insects has a exo skeleton

Incorrectly answered feedback

Insects has a exo skeleton

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

[Remove From Test](#)

Question 31

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

c) State a function of outer covering A

Question Type: Essay

Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,405

Correctly answered feedback

To protect it's internal organs

Incorrectly answered feedback

To protect it's internal organs

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

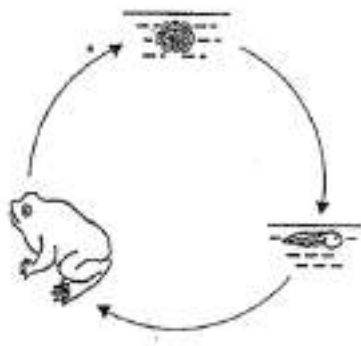
[Remove From Test](#)

Question 32

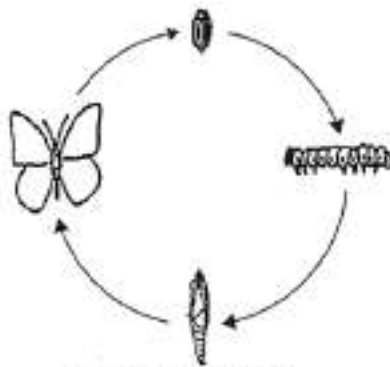
Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The diagrams show the life cycles of a frog and a butterfly.



Life cycle of a frog



Life cycle of a butterfly

- (a) Based on the diagrams above, state one similarity between the life cycles of a frog and a butterfly. [1]

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,409

Correctly answered feedback

They both have an egg stage

Incorrectly answered feedback

They both have an egg stage

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

[Remove From Test](#)

Question 33

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

- b) Both the frog and the butterfly lay many eggs at a time. Explain the advantage of laying eggs at a time

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A

QID#: 29,420,418

Correctly answered feedback

There will be a higher chance an egg will hatch and have continuity of its own kind

Incorrectly answered feedback

There will be a higher chance an egg will hatch and have continuity of its own kind

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

[Remove From Test](#)**Question 34**

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

c) How do the adult frog and its young breathe in water?

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,423

Correctly answered feedback

Adult frog breathe through skin in water and young breathe through gills

Incorrectly answered feedback

Adult frog breathe through skin in water and young breathe through gills

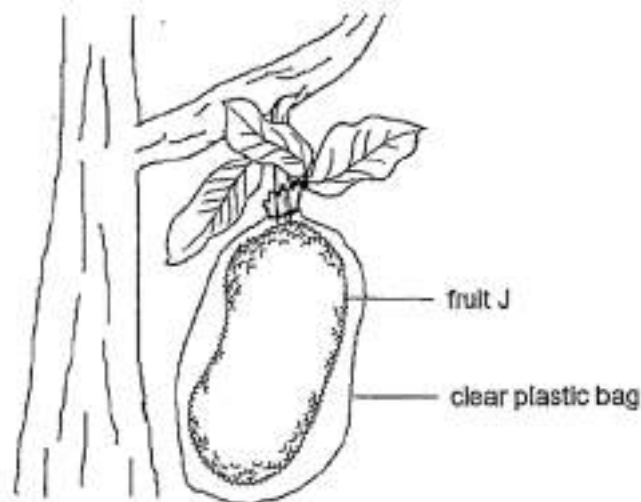
[Answers](#) |
 [Edit](#) |
 [Duplicate](#) |
 [Used In](#) |
 [Reorder](#)

[Remove From Test](#)**Question 35**

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Fruit J produces a gas, ethylene, which causes it to ripen faster.
 As such, farmers usually wrap fruit J in a plastic or cloth bag as shown.



(a) Explain how wrapping fruit J in bags will cause it to ripen faster.

Question Type: Essay

Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,431

Correctly answered feedback

Ethylene produced by the fruit will be trapped inside the bag causing it to ripen faster

Incorrectly answered feedback

Ethylene produced by the fruit will be trapped inside the bag causing it to ripen faster

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

[Remove From Test](#)

Question 36

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) What is another advantage for farmers to wrap fruit J in bags?

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,434

Correctly answered feedback

b) Animals will not be able to feed on J

Incorrectly answered feedback

b) Animals will not be able to feed on J

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

[Remove From Test](#)

Question 37

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Martin said that fruit J will only grow if wrapped in a clear plastic bag so that it will still be able to make food.

c) Do you agree with Martin? Explain your answer

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,447

Correctly answered feedback

No. Fruit J does not need sunlight as it is the leaves that need sunlight to make food

Incorrectly answered feedback

No. Fruit J does not need sunlight as it is the leaves that need sunlight to make food

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

[Remove From Test](#)

Question 38

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Eugene ate a meal of chicken rice.

- (a) Complete the table to show the amount of digested food leaving the gullet and small intestine of Eugene's digestive system after the meal. [1]

Name of organ	Amount of digested food leaving the organ (units)
mouth	10
gullet	
stomach	20
small intestine	

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,458

Correctly answered feedback

10

Incorrectly answered feedback

10

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

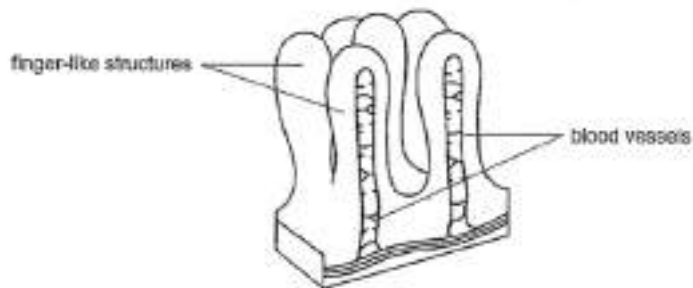
[Remove From Test](#)

Question 39

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Inside the walls of the small intestine are finger-like structures as shown.



- (b) Explain how these finger-like structures affect the rate of absorption of digested food into the blood vessels. [1]

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,461

Correctly answered feedback

There is a greater exposed surface area and can absorb faster

Incorrectly answered feedback

There is a greater exposed surface area and can absorb faster

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

[Remove From Test](#)

Question 40

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

c) How do the blood vessels obtain and carry the digested food to all parts of the body

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,469

Correctly answered feedback

Digested food will be absorbed into the walls of the small intestine then absorbed into the blood stream where blood vessels will transport it to all parts of the body

Incorrectly answered feedback

Digested food will be absorbed into the walls of the small intestine then absorbed into the blood stream where blood vessels will transport it to all parts of the body

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

[Remove From Test](#)

Question 41

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Gina made a hole in a tin of milk before pouring it out. When she went to a drink stall, she saw that the stallholder had made two holes instead of one in a tin before pouring out the milk as shown.



(a) State a difference observed when the milk flowed out from a tin with one hole and a tin with two holes. [1]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,473

Correctly answered feedback

Milk flowed out faster with 2 holes than 1 hole

Incorrectly answered feedback

Milk flowed out faster with 2 holes than 1 hole

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

[Remove From Test](#)

Question 42

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) Explain your answer in (a)

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,479

Correctly answered feedback

with 2 holes, air can enter and displace the milk and push it out of the tin that is flowing out of the hole

Incorrectly answered feedback

with 2 holes, air can enter and displace the milk and push it out of the tin that is flowing out of the hole

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

[Remove From Test](#)

Question 43

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Gina then bought a sealed packet of milk and placed it inside a cup as shown. Both the packet of milk and the cup have a volume of 300 ml.



(c) What property of a liquid enabled the sealed milk to be placed in the cup as shown? [1]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,481

Correctly answered feedback

Liquid has no definite shape

Incorrectly answered feedback

Liquid has no definite shape

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

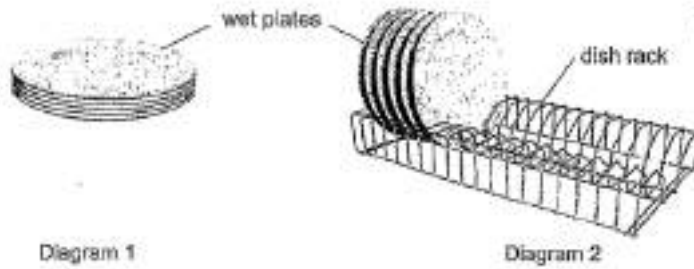
[Remove From Test](#)

Question 44

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Mary stacked some wet plates, one on top of the other, and left them to dry as shown in diagram 1.



Her mother told her to place the wet plates on a dish rack, as shown in diagram 2, so that they could dry faster.

- (a) State two reasons why the wet plates in diagram 2 would dry faster. For each reason, explain your answer. [2]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,493

Correctly answered feedback

1. There is a greater exposed surface area and can gain more heat which increases the rate of evaporation
2. The water droplets on the plate will get pulled down by gravity, so that there is less water left

Incorrectly answered feedback

1. There is a greater exposed surface area and can gain more heat which increases the rate of evaporation
2. The water droplets on the plate will get pulled down by gravity, so that there is less water left

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

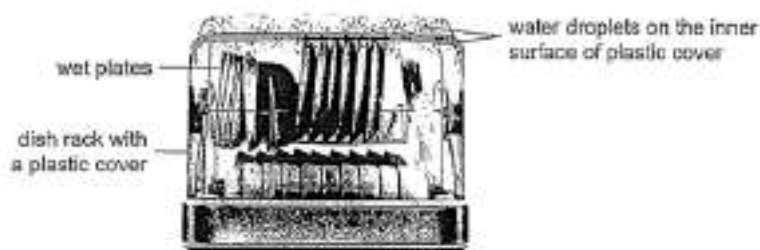
[Remove From Test](#)

Question 45

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Mary bought a dish rack with a plastic cover. She placed some wet plates onto the dish rack and closed the cover. After some time, she noticed water droplets on the inner surface of the plastic cover as shown.



- (b) Explain how the water droplets were formed. [2]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,500

Correctly answered feedback

Water droplets were formed when water from wet dishes gained heat and evaporated causing water vapour to form. Once water vapour was formed water vapour condense on the cooler inner surface of plastic cover causing water droplets to form

Incorrectly answered feedback

Water droplets were formed when water from wet dishes gained heat and evaporated causing water vapour to form. Once water vapour was formed water vapour condense on the cooler inner surface of plastic cover causing water droplets to form

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

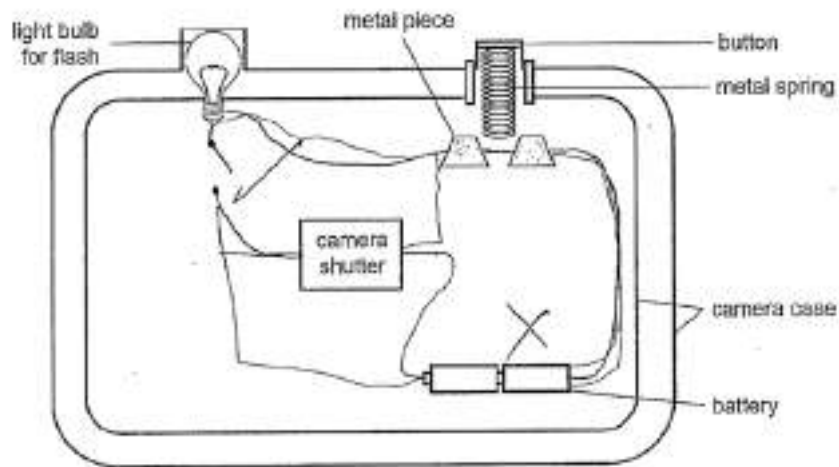
[Remove From Test](#)

Question 46

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The diagram shows part of a circuit in a camera.



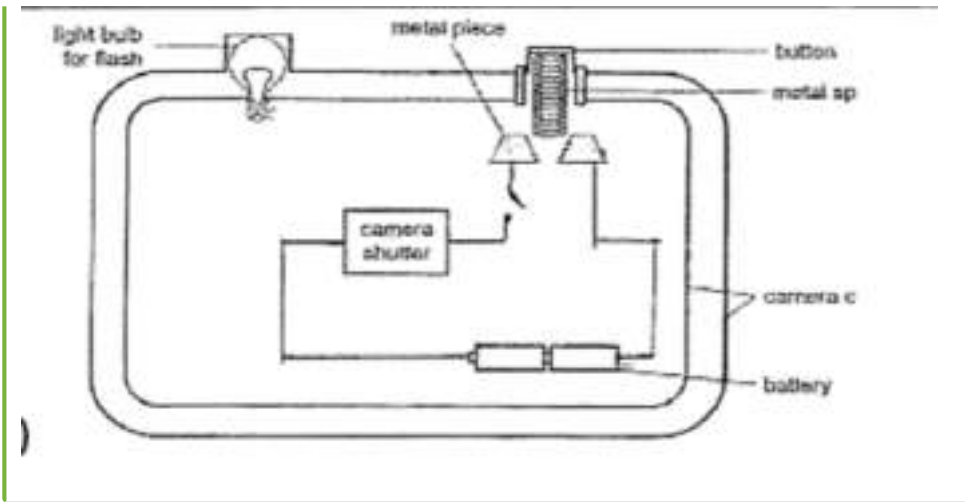
To take a photograph, the camera shutter needs to be connected to a closed circuit with the button being pressed down. A photograph can also be taken by the camera with or without the use of flash.

- (a) Using a switch and some wires, complete the circuit in the diagram so that the camera will work as described above. [2]

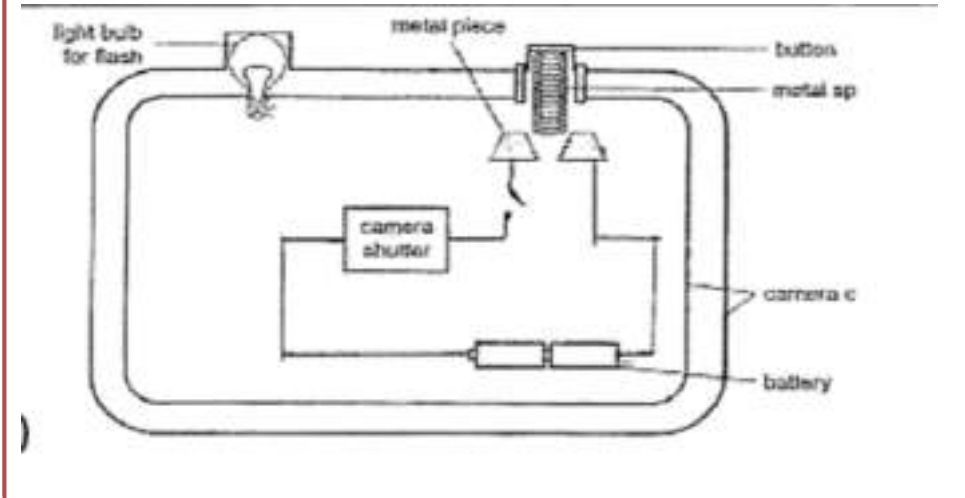
Please type "done" to proceed to the next question

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,513

Correctly answered feedback



Incorrectly answered feedback



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

[Remove From Test](#)

Question 47

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) Suggest a disadvantage of the circuit above

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,530

Correctly answered feedback

If the bulb fuses, the circuit will be opened and will not work

Incorrectly answered feedback

If the bulb fuses, the circuit will be opened and will not work

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

[Remove From Test](#)

Question 48

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

c) If the metal pieces are switch to plastic pieces, will the camera still work? Explain your answer

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,536

Correctly answered feedback

No. Plastic is not a conductor of electricity and the circuit will be opened and no electricity will flow

Incorrectly answered feedback

No. Plastic is not a conductor of electricity and the circuit will be opened and no electricity will flow

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

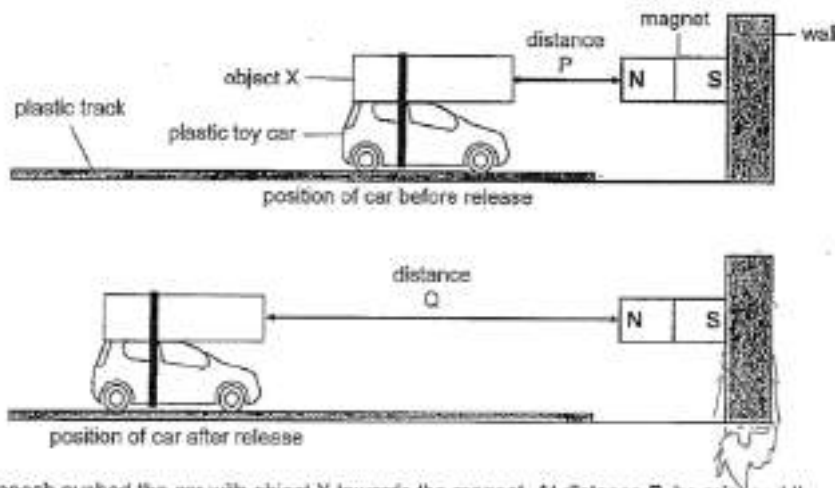
[Remove From Test](#)

Question 49

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Janesh tied object X on top of his plastic toy car. He placed them on a track which allowed the car to only travel in a straight line. At the end of the track, he attached a strong magnet to the wall as shown.



Janesh pushed the car with object X towards the magnet. At distance P, he released the car very gently. The car with object X was pushed back by the magnet and travelled a distance Q before stopping. He repeated the steps with decreasing distance P each time and measured the new distance Q.

(a) Name one suitable material for object X.

[1]

Accepted answers:

✓ steel

Question Type: Free Text
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,539

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

[Remove From Test](#)

Question 50

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) Explain why the car with object X was pushed back along the track when Janesh released it.

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,546

Correctly answered feedback

The like poles of X and the magnet was facing and repelled each other

Incorrectly answered feedback

The like poles of X and the magnet was facing and repelled each other

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

[Remove From Test](#)

Question 51

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

c) State the relationship between distance P and distance Q

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,550

Correctly answered feedback

The more distance P, the shorter distance Q

Incorrectly answered feedback

The more distance P, the shorter distance Q

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

[Remove From Test](#)

Question 52

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Janesh repeated the experiment using the same set-up, but he increased distance P instead. He observed that at a certain distance P, the car with object X did not move at all

d) Explain Janesh's observation

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,560

Correctly answered feedback

X was too far away from the magnet to be repelled

Incorrectly answered feedback

X was too far away from the magnet to be repelled

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

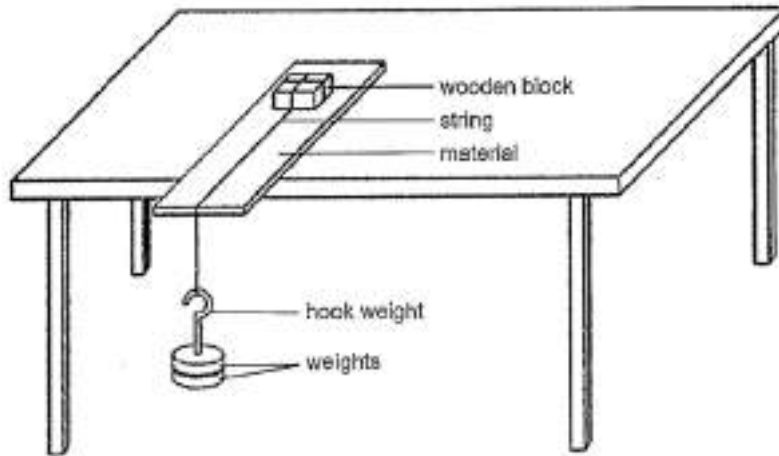
[Remove From Test](#)

Question 53

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Noel carried out an experiment using the set-up as shown. He tied a wooden block to a string and hung a hook weight on the other end. He placed the wooden block on different materials, X, Y and Z, and added weights until the wooden block started to slide.



He recorded his results in the table.

Material	X	Y	Z
Number of weights needed to cause the wooden block to slide	5	9	3

(a) Name the two types of forces acting on the wooden block as it slid across each material. [11]

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,649

Correctly answered feedback

Friction and Gravity

Incorrectly answered feedback

Friction and Gravity

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

[Remove From Test](#)

Question 54

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) Based on Noel's results, which material was the smoothest? Explain why

Question Type: Essay
 Date Added: Fri 22nd Oct 2021
 Last Modified: N/A
 QID#: 29,420,662

Correctly answered feedback

Z. It needed the last weight needed for the block to slide and it had the least friction between the block and the material

Incorrectly answered feedback

Z. It needed the last weight needed for the block to slide and it had the least friction between the block and the material

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

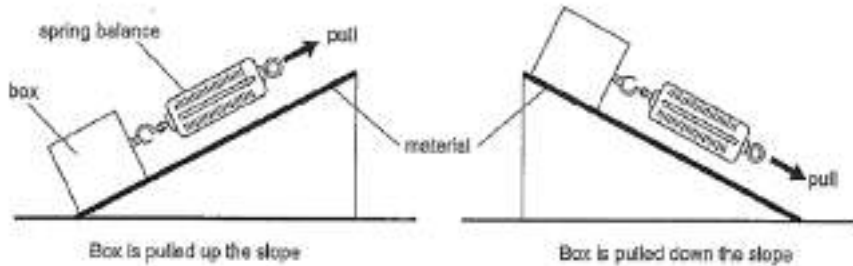
[Remove From Test](#)

Question 55

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Noel prepared a different set-up for another experiment. He used a spring balance to pull a box up the slope and then down the slope made of each material as shown.



Noel noticed that for whichever material he used, more force was needed to pull the box up the slope than down.

(c) Explain why a greater force was needed to pull the box up the slope. [1]

Question Type: Essay

Date Added: Fri 22nd Oct 2021

Last Modified: N/A

QID#: 29,420,667

Correctly answered feedback

Pulling the block up the slope requires more force to go against gravity

Incorrectly answered feedback

Pulling the block up the slope requires more force to go against gravity

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

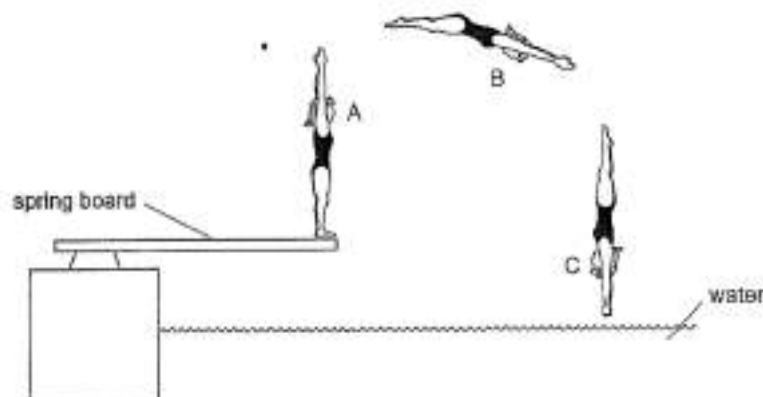
[Remove From Test](#)

Question 56

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The diagram shows a diver diving into a pool. She jumps off the spring board at point A, reaches up into the air till point B and enters the water at point C.



(a) State the force which allows the diver to jump off at point A. [1]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,674

Correctly answered feedback

elastic spring force

Incorrectly answered feedback

elastic spring force

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

[Remove From Test](#)**Question 57**

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) Without charging the spring board, what can the diver do if she wants to reach a point higher than B?

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,683

Correctly answered feedback

push down harder or apply greater downward force to increase compression of spring

Incorrectly answered feedback

push down harder or apply greater downward force to increase compression of spring

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

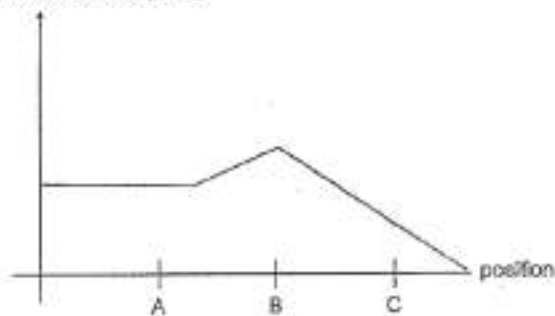
[Remove From Test](#)**Question 58**

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

(c) In the space below, draw a line graph to show the amount of gravitational force acting on the diver at positions A, B and C. [1]

amount of gravitational force (units)

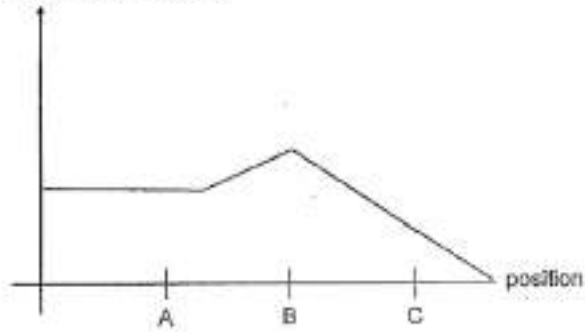


Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,686

Correctly answered feedback

In the space below, draw a line graph to show the amount of gravitational force acting on the diver at positions A, B and C. [1]

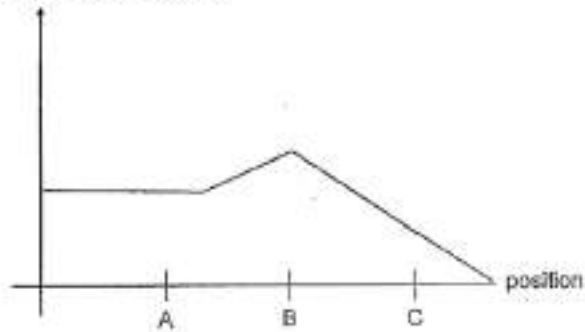
amount of gravitational force (units)



Incorrectly answered feedback

In the space below, draw a line graph to show the amount of gravitational force acting on the diver at positions A, B and C. [1]

amount of gravitational force (units)



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

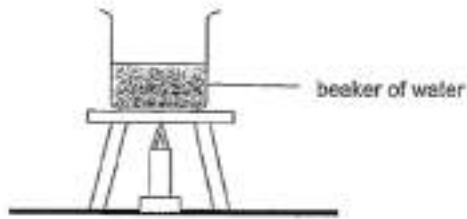
[Remove From Test](#)

Question 59

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Mingzhe heated a beaker of water to find out how the volume of water affects the rate at which its temperature rises.



Mingzhe used four identical set-ups and filled each beaker with different volumes of water. He recorded the results of his experiment in the table.

Beaker	Volume of water at the start (cm ³)	Temperature at the start (°C)	Temperature at the 5 th min (°C)
A	30	15	65
B	50	15	50
C	85	15	Y
D	80	15	35

(a) Predict the value of Y.

[1]

Accepted answers:

✓ 40

Question Type: Free Text
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,692

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

[Remove From Test](#)

Question 60

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) What could Mingzhe conclude from the results above?

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,697

Correctly answered feedback

The more volume of water at the start the temperature of water at the 5th minute decreases

Incorrectly answered feedback

The more volume of water at the start the temperature of water at the 5th minute decreases

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Question 61

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Mingzhe continued to heat the water in beaker D. The table shows the results.

Time (min)	0	5	10	15	20	25	30
Temperature of water (°C)	15	35	60	85	100	100	No reading

Why was there no reading at the 30th minute?

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,700

Correctly answered feedback

All the water had evaporated

Incorrectly answered feedback

All the water had evaporated

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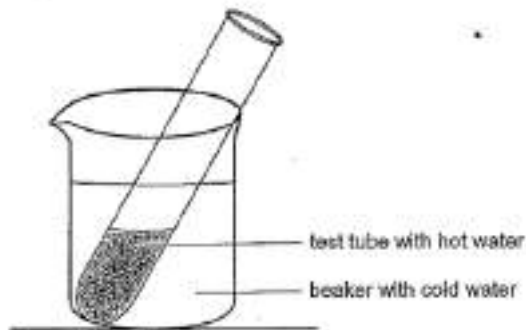
[Remove From Test](#)

Question 62

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

In another experiment, Mingzhe poured some hot water into a test tube and placed it into a beaker of cold water, as shown.



(d) What will happen to the temperature of the hot water in the test tube after some time? Explain why. [1]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,705

Correctly answered feedback

It will decrease, The water will lose heat to the cold water

Incorrectly answered feedback

It will decrease, The water will lose heat to the cold water

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

[Remove From Test](#)

Question 63

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

e) After three hours, the temperature of the water in the test tube and beaker reached room temperature and remained at room temperature. Explain why

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,717

Correctly answered feedback

The water in the test tube and the water in the beaker did

Incorrectly answered feedback

The water in the test tube and the water in the beaker did

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

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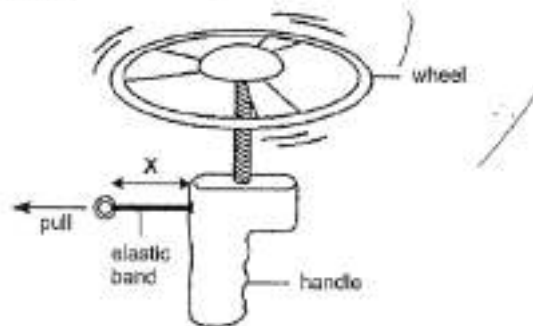
Question 64

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The diagram shows a toy. When the elastic band is pulled and then released, the wheel will spin before flying off. The greater the number of times the wheel spins, the further it travels.

Aishah wants to find out how the number of spins of the wheel changes when the elastic band is pulled to different lengths.



The table shows the results of her experiment.

Length of the elastic band when pulled, X (cm)	Number of times the wheel spins
4	2
8	4
12	6

(a) Aishah used the same wheel throughout her experiment. Explain how this ensures a fair test. [1]

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,729

Correctly answered feedback

There will be only one changed variable and the number of spins of the wheel is only due to the length of the elastic band pulled and not other variables like the type of wheel

Incorrectly answered feedback

There will be only one changed variable and the number of spins of the wheel is only due to the length of the elastic band pulled and not other variables like the type of wheel

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 [Reorder](#)

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Question 65

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

b) State the relationship between X and the number of times the wheel spins

Question Type: Essay
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,732

Correctly answered feedback

The more X, the more time the wheel spins

Incorrectly answered feedback

The more X, the more time the wheel spins

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Question 66

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Match the options below to show the energy conversion of the toy starting from the time Aishah releases the elastic band till the wheel spins :
(energy)

Clue	Match
elastic potential	tretched elastic band
kinetic	the elastic band is released
kinetic	spining wheel

Question Type: Matching
Grade style: Full points if all answers are correct
Shuffle Mode: Shuffle Matches Only
Date Added: Fri 22nd Oct 2021
Last Modified: N/A
QID#: 29,420,747

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