

Primary 4 - Term 4 Science (St Nicholas)

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63 Questions (67 Points)

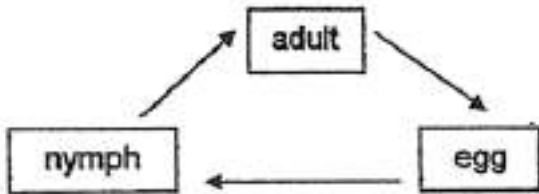
Question Bank: 19,950 Questions 

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Question 1 Primary 4 Science » Primary 4 Science (Term 4) 2 pts

Booklet A (28 x 2 marks)
For each question from 1 to 28, four options are given. One of them is the correct answer.

The diagram below shows the life cycle of an animal.



Which animal is likely to have the life cycle shown above?

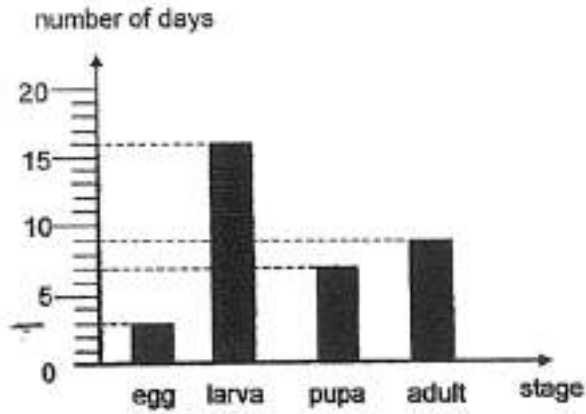
- A) Frog
- B) Chicken
- C) Mosquito
- D) Cockroach

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,023

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Question 2 Primary 4 Science » Primary 4 Science (Term 4) 2 pts

The graph below shows the number of days for each stage of the life cycle of organism X.



How many days would organism X take to become an adult after the egg is hatched?

- A) 9 days
- B) 19 days
- ✓ C) 23 days
- D) 26 days

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,028

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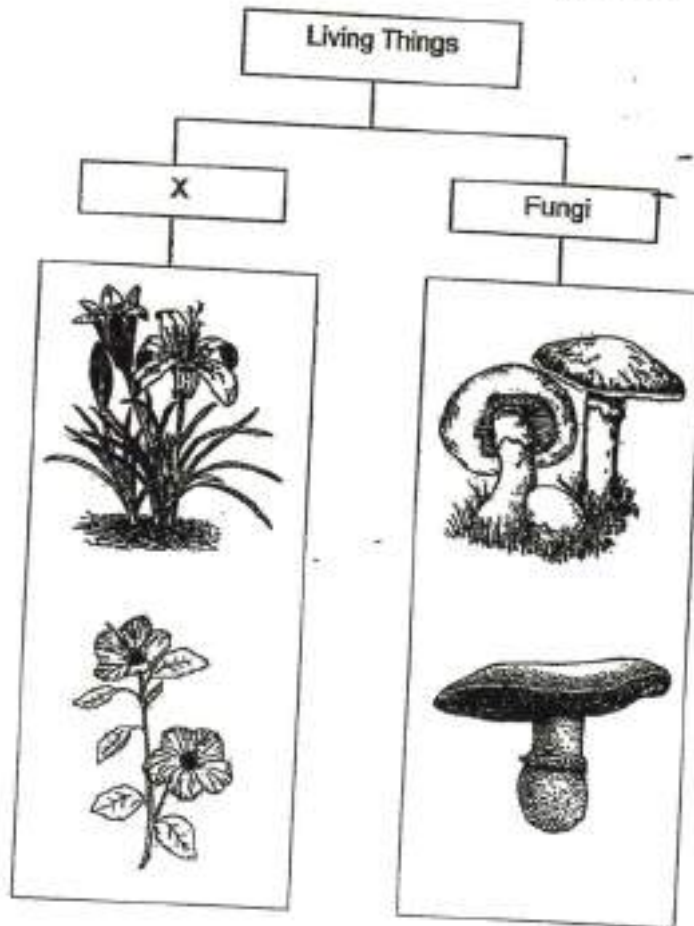
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Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The table below shows how some living things can be grouped.



Which one of the following is the most suitable heading for group X?

- A) Ferns
- B) Mosses
- C) Bacteria
- ✓ D) Flowering plants

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,068

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Question 4

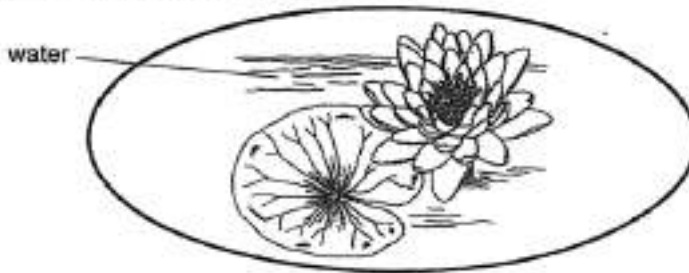
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The table below shows the characteristics of four organisms A, B, C and D. A tick (✓) shows that the organism has the characteristic.

Characteristics	Organisms			
	A	B	C	D
produces flowers			✓	✓
grows on land	✓	✓		✓
makes food	✓		✓	✓

Joanna saw a plant in a pond shown below.



Which one of the following organisms A, B, C or D represents the plant shown above?

- A) A
- B) B
- ✓ C) C
- D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,098

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Question 5

Primary 4 Science » Primary 4 Science (Term 4)

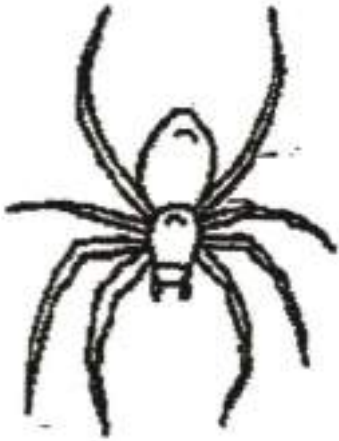
2 pts

Which one of the animals shown below is not an insect?

- A)



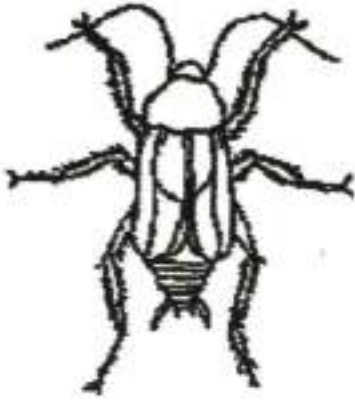
✓ B)



C)



D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,112

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Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows a young plant.



The leaf helps the plant to _____.

- ✓ A) make food
- B) grow upright
- C) take in water
- D) take in minerals

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,118

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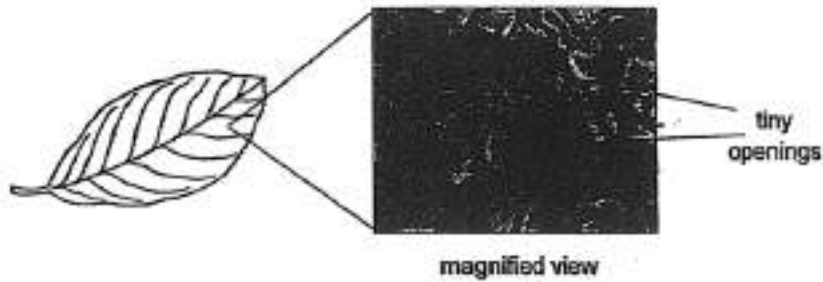
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Question 7

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows the tiny openings found on a leaf.



What is the function of the tiny openings of the leaf?

- A) To trap light
- B) To take in light
- C) To help the plant reproduce
- ✓ D) To help the plant take in and give out gases

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,124

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Question 8

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

What is generally common among insects and birds?

- A) They have three body parts
- B) Their young look like the adult
- ✓ C) They reproduce by laying egg
- D) They have the same type of body covering

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,134

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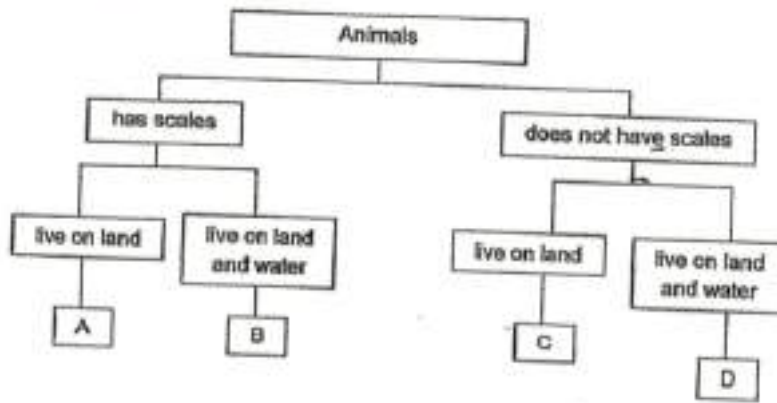
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Question 9

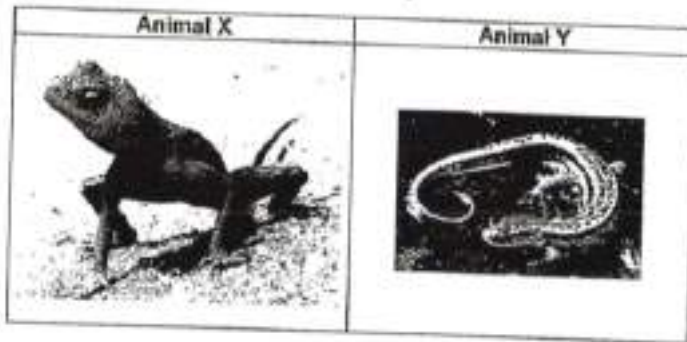
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the classification chart below.



The diagram below shows animals X and Y.



Which group A, B, C or D do animals X and Y belong to?

	Animal X	Animal Y
(1)	A	C
(2)	A	D
(3)	B	C
(4)	B	D

- A) 1
- ✓ B) 2
- C) 3
- D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,811,141

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Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The picture below shows Faisal playing basketball.



Which organ systems in his body work together when he plays basketball?

- A Skeletal system
- B Muscular system
- C Circulatory system
- D Respiratory system

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,148

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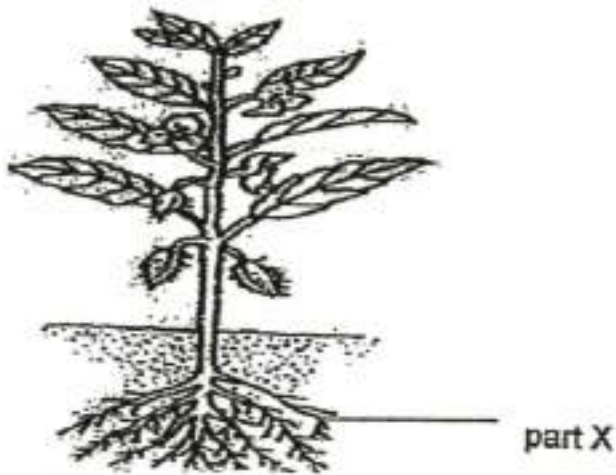
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Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the diagram below.



What is the function of part X?

- A Support the plant
- B Absorb water from the soil
- C Absorb minerals from the soil
- D Hold the plant firmly to the ground

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

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 11th Jan 2021
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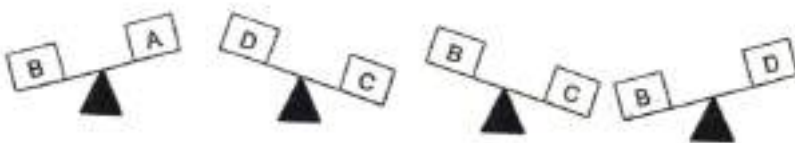
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Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the diagram below.



Which block, A, B, C or D has the most mass?

- A) A
- B) B

- ✓ C) C
D) D

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,163

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Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Matter is anything that has mass and occupies space. Which one of the following is not matter?

- A) air
B) sand
C) water
✓ D) shadow

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,227

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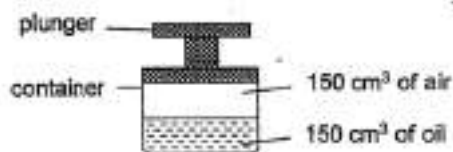
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Question 14

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the diagram below.



What will happen to the mass and volume of air inside the container when the plunger is pushed in?

	Mass	Volume
(1)	remain the same	decreases
(2)	decreases	decreases
(3)	increases	increases
(4)	remain the same	increases

- ✓ A) 1
B) 2
C) 3

D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,233

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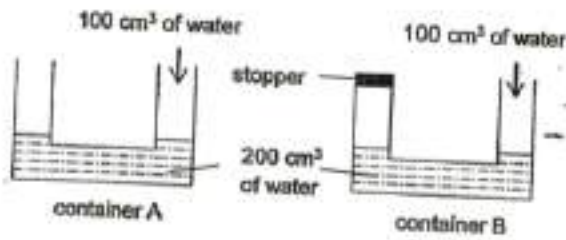
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Question 15

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Evelyn filled containers A and B with 200 cm³ of water. Next, she placed a stopper on one opening of container B. Then, she added another 100 cm³ of water to each container.



Which of the following shows the possible water level in both containers at the end of the experiment?

	Container A	Container B
(1)		
(2)		
(3)		
(4)		

- A) 1
- B) 2
- C) 3
- D) 4



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,250

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Question 16

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which one of the following can be attracted by a magnet?

- A) steel ruler
- B) plastic ruler
- C) wooden ruler
- D) aluminium ruler

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,254

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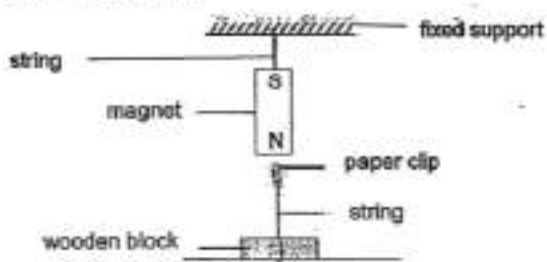
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Question 17

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the diagram below.



Sue observed that the string with the paper clip remained upright when it was placed near the magnet.

What can Sue conclude from her observation?

- A The string is made of a magnetic material.
- B The paper clip is made of a magnetic material.
- C The magnet and the paper clip are repelling each other.
- D Magnetic force can act at a distance.

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

D) B, C and D only

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,262

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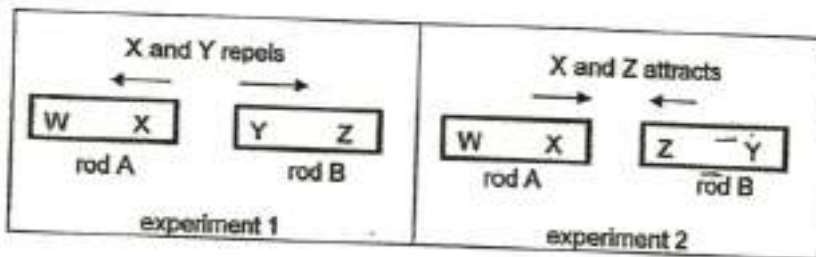
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Question 18

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Tessa placed two metal rods A and B next to each other. The results of her experiment are shown below.



Based on the information given, which of the following statement(s) is/are true?

- A) X and Y are unlike poles.
- B) Metals rods A and B are magnets.
- C) Metal rod B is made of copper.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,270

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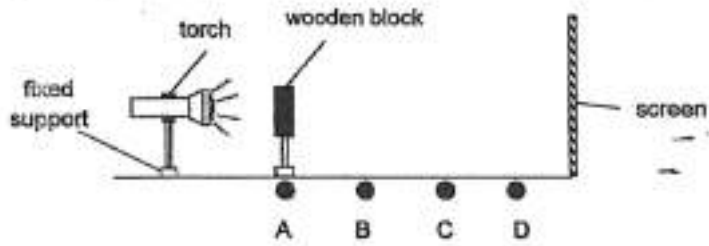
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Question 19

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

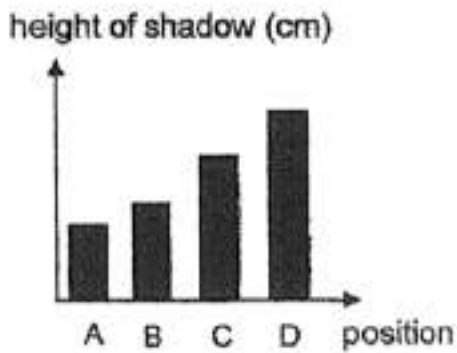
Study the diagram below.



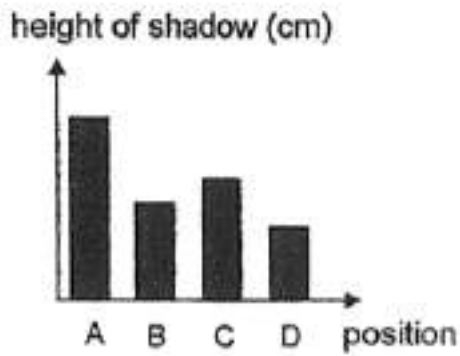
Ali placed the wooden block at position A and recorded the height of the shadow formed on the screen. He repeated the experiment by placing the wooden block at positions B, C and D.

Which of the following graphs correctly shows the height of the shadow of the wooden block at positions A, B, C and D?

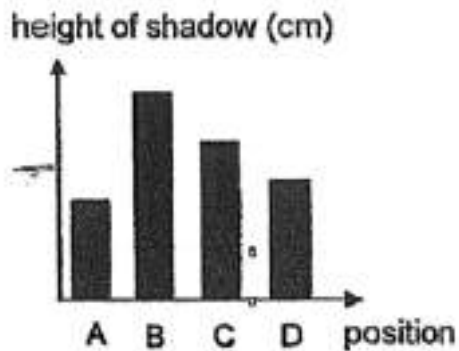
A)



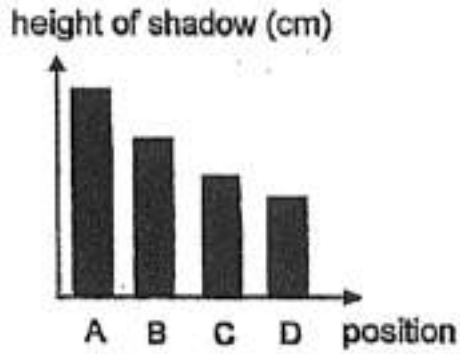
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
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QID#: 25,811,344

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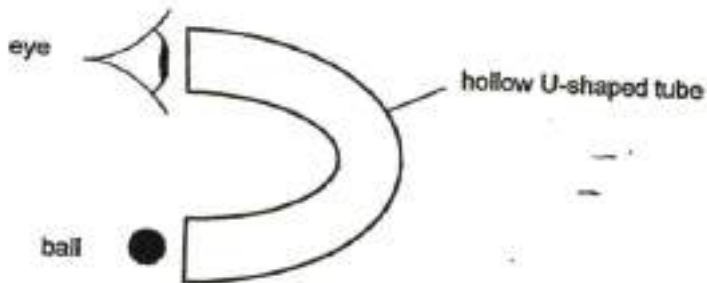
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Question 20

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Study the diagram below.



Ivan cannot see the ball through the U-shaped tube because _____

- A) light has no mass
 B) light can be reflected
 ✓ C) light travels in a straight line
 D) line does not occupy space

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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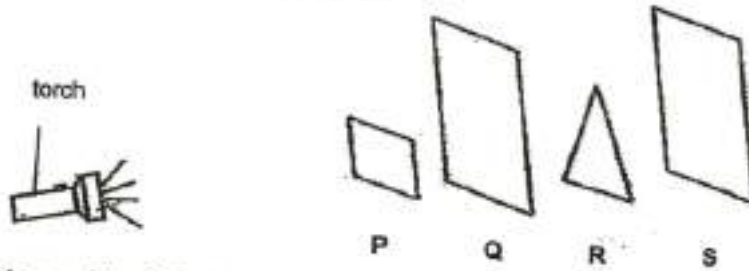
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Question 21

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

- Kelly arranged four sheets of different shapes P, Q, R and S in a straight line and shone a torchlight as shown in the set-up below. She observed that a small triangular shadow formed on sheet S.



Which one of the following is most likely true?

	P	Q	R
(1)	Allow most light to pass through	Allow most light to pass through	Allow no light to pass through
(2)	Allow most light to pass through	Allow no light to pass through	Allow no light to pass through
(3)	Allow some light to pass through	Allow no light to pass through	Allow some light to pass through
(4)	Allow no light to pass through	Allow most light to pass through	Allow some light to pass through

- ✓ A) 1
B) 2
C) 3
D) 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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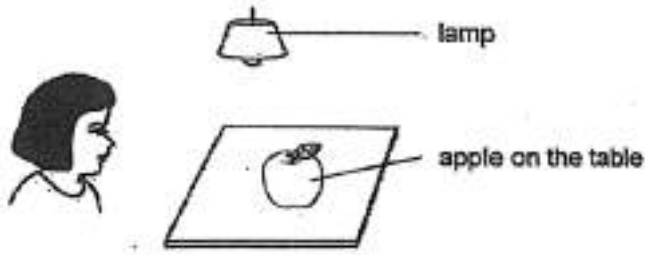
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Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

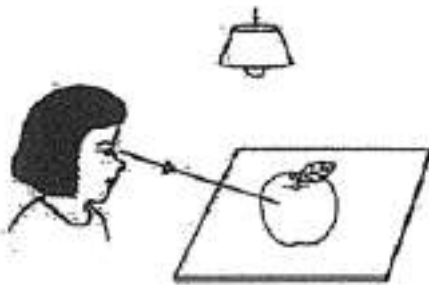
Look at the picture below.



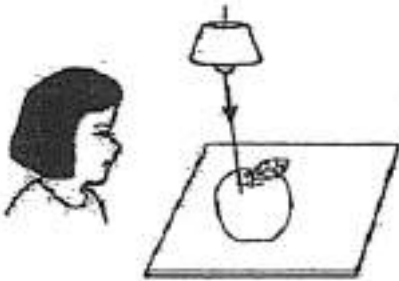
Which one of the following explains why Nirmala can see the apple on the table?



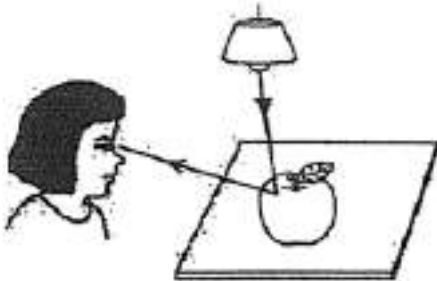
A)



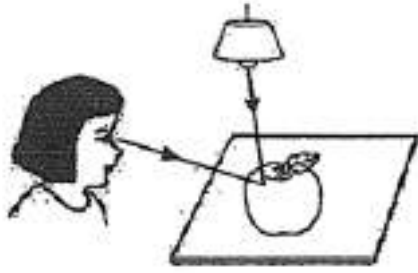
B)



✓ C)



D)



Question Type: Multiple Choice
Randomize Answers: No
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[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 23

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

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

- A) The sun
- B) A lighted bulb
- ✓ C) A cotton shirt
- D) A candle flame

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,393

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Question 24

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Bonnie wants to measure the temperature of cold water in a beaker.

Which one of the following diagrams shows the correct position of the thermometer when taking the temperature reading?

A)



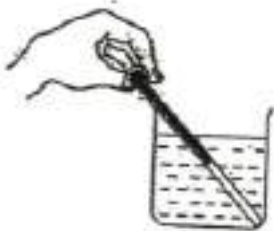
B)



✓ C)



D)



Question Type: Multiple Choice

Randomize Answers: No
Date Added: Mon 11th Jan 2021
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QID#: 25,811,437

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Question 25

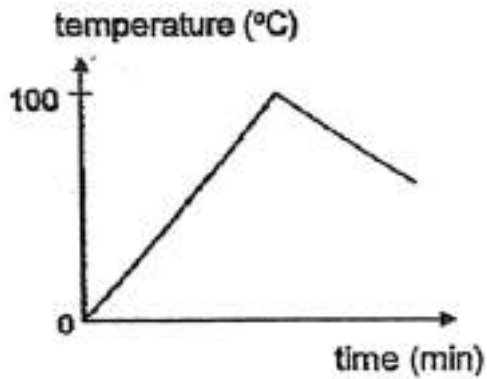
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

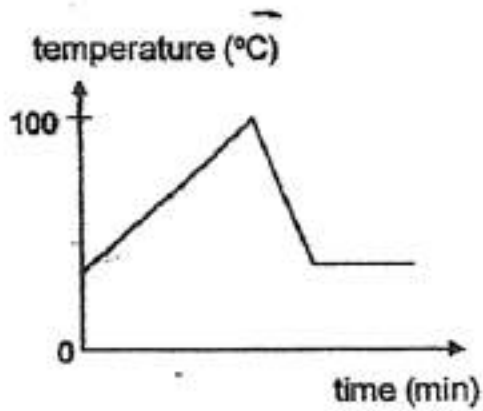
Mary heated a beaker of tap water until it boiled. She kept it boiling for another two minutes. Then, she placed the beaker of water in the refrigerator.

Which of the following graphs shows the changes in the water temperature from the time she started to heat the water to the time she placed it in the refrigerator?

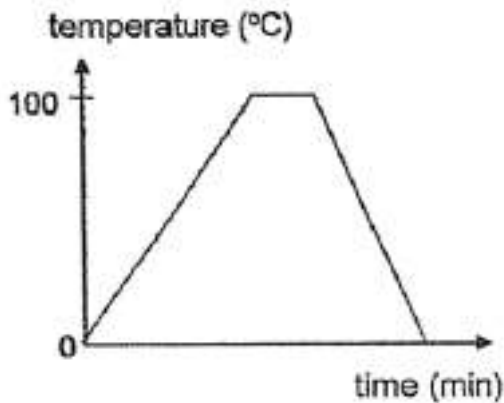
A)



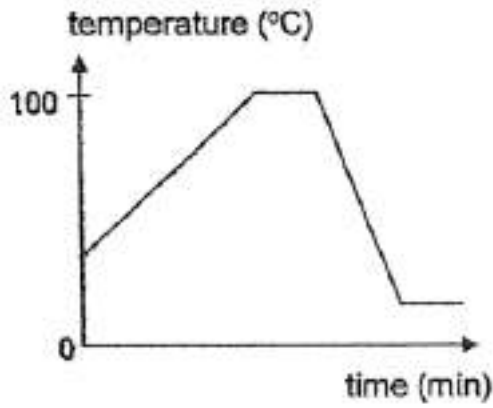
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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Question 26

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Rahima had four similar cups P, Q, R and S made of different materials. She poured an equal amount of hot water into each cup. She measured the temperature of the water after ten minutes and recorded her observations in the table below.

Cup	P	Q	R	S
Temperature of water at the start of experiment (°C)	55	55	55	55
Temperature of water after 10 minutes (°C)	21	30	43	19

Based on the table, which one of the cups is made of a material that is the best conductor of heat?

- A) P
- B) Q
- C) R
- ✓ D) S

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
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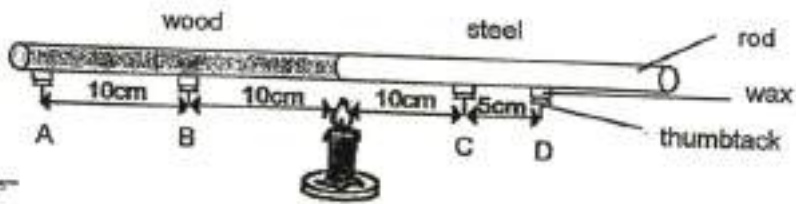
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Question 27

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram below shows four similar thumbtacks A, B, C and D attached to a rod made of equal lengths of wood and steel. Each thumbtack was attached to the rods using equal amounts of wax.



Arrange the time taken for each thumbtack to drop off the rods from the fastest to the slowest.

	Fastest			Slowest
(1)	A	B	C	D
(2)	B	C	D	A
(3)	C	B	D	A
(4)	C	D	B	A

- A) 1
 B) 2
 C) 3
 ✓ D) 4

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Mon 11th Jan 2021
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Question 28

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

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

A)



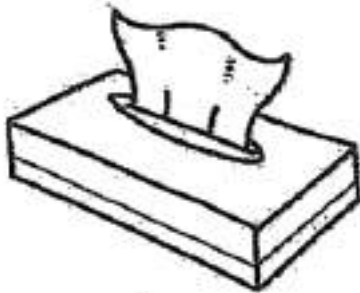
metal pot

B)



rubber boots

✓ C)



tissue paper

D)



plastic bottle

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,811,568

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

[Remove From Test](#)

Question 29

Primary 4 Science » Primary 4 Science (Term 4)

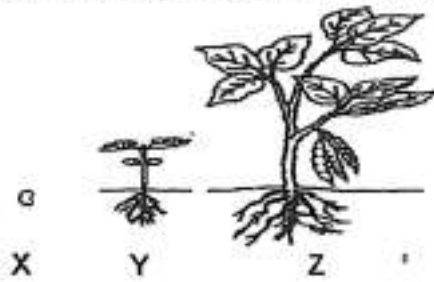
2 pts

Booklet B

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

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

The diagram below shows the stages in the life cycle of a plant.



Choose the correct words from the box to answer the question below.

Stage X: _____

- A) fruit
- ✓ B) seed
- C) young plant
- D) flower
- E) adult plant

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,205

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

[Remove From Test](#)

Question 30

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Stage Y: _____

- A) fruit
- B) seed
- ✓ C) young plant
- D) flower
- E) adult plant

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,213

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

[Remove From Test](#)

Question 31

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Ivan carried out an experiment with three similar pots of plants of height 7 cm. He measured the height of each plant at the end of ten days and recorded the results in the table below.

Pot	Amount water given daily (ml)	Amount of fertiliser given (g)	Height of plant after 10 days (cm)
A	10	5	10
B	15	5	12
C	20	5	15

What was he trying to find out from his experiment?

Question Type: Essay
 Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,812,222

Correctly answered feedback

To find out if the amount of water given daily to the plants affect the height of the plant after 10 days.

Incorrectly answered feedback

To find out if the amount of water given daily to the plants affect the height of the plant after 10 days.

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

[Remove From Test](#)

Question 32

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Study the diagram below.



bird's nest fern



moss



sunflower

How does the moss obtain its food?

Question Type: Essay
 Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,812,232

Correctly answered feedback

It traps light and makes food via photosynthesis

Incorrectly answered feedback

It traps light and makes food via photosynthesis

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

[Remove From Test](#)

Question 33

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State two differences between the bird's nest fern and the sunflower in terms of their method of reproduction and their plant parts.

Method of reproduction:

Plant parts:

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,266

Correctly answered feedback

Method of reproduction: The bird's nest fern reproduce by spore but the sunflower reproduce by seeds

Plant parts: The bird's nest fern does not have a flower but the sunflower has a flower

Incorrectly answered feedback

Method of reproduction: The bird's nest fern reproduce by spore but the sunflower reproduce by seeds

Plant parts: The bird's nest fern does not have a flower but the sunflower has a flower

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

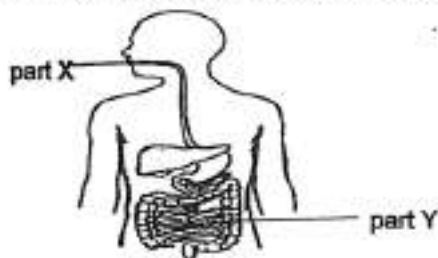
[Remove From Test](#)

Question 34

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows the human digestive system. Substance P found in part X of the human digestive system helps in the digestion process.



Other than breaking down some food into simpler substances, state another function of substance P.

Question Type: Essay

Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,812,356

Correctly answered feedback

It softens the partially digested food and makes it easy to swallow

Incorrectly answered feedback

It softens the partially digested food and makes it easy to swallow

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

[Remove From Test](#)

Question 35

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Explain what happens to the digested food at part Y of the human digestive system

Question Type: Essay

Date Added: Mon 11th Jan 2021

Last Modified: N/A

QID#: 25,812,362

Correctly answered feedback

The digested food would be absorbed into the bloodstream

Incorrectly answered feedback

The digested food would be absorbed into the bloodstream

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

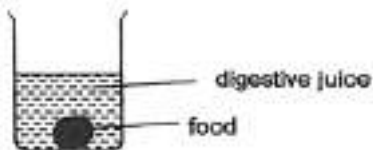
[Remove From Test](#)

Question 36

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Hannah conducted an experiment as shown below. She wanted to find out if the amount of digestive juices affects the time taken for food to be digested.



Set-ups	Amount of digestive juices (ml)	Amount of food (g)
X	200	50
Y	200	100
Z	150	50

Based on the table above, which two set-ups should she use to conduct a fair test?

- ✓ A) X
- B) Y
- ✓ C) Z

Question Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,381

Correctly answered feedback

x

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

[Remove From Test](#)**Question 37**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Study the diagram below.



animal A



animal B



animal C



animal D

State one similarity between animals A, B, C and D.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,391

Correctly answered feedback

All of them lay eggs

Incorrectly answered feedback

All of them lay eggs

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

[Remove From Test](#)**Question 38**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State one difference between animals A, B, C and D

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,395

Correctly answered feedback

Animal B has moist skin while Animal C has feathers

Incorrectly answered feedback

Animal B has moist skin while Animal C has feathers

Answers | Edit | Duplicate | Used In | Reorder

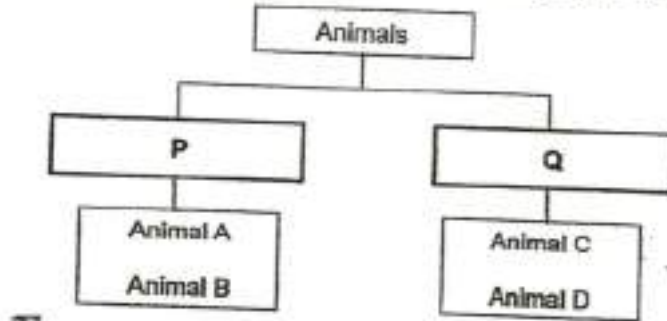
Remove From Test

Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Angeline classified the animals A, B, C and D into two groups shown below.



Write suitable headings for P and Q in the blanks below.

P: _____

Q: _____

Question Type: Essay

Date Added: Mon 11th Jan 2021

Last Modified: N/A

QID#: 25,812,413

Correctly answered feedback

P: Do not have feathers.

Q: Have feathers.

Incorrectly answered feedback

P: Do not have feathers.

Q: Have feathers.

Answers | Edit | Duplicate | Used In | Reorder

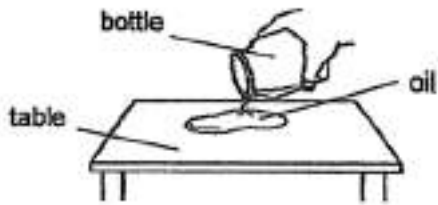
Remove From Test

Question 40

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Adam accidentally spills the oil from a bottle onto a table shown below.



The volume of oil remains the same but its shape changes.

i) This shows that oil is a _____.

- A) gas
- B) solid
- ✓ C) liquid

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: Mon 11th Jan 2021
QID#: 25,812,427

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

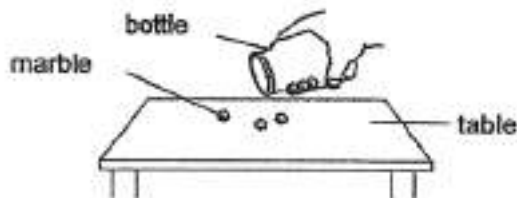
[Remove From Test](#)

Question 41

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Adam pours some marbles from a bottle onto a table shown below.



The shape and volume of the marbles remain the same.

) This shows that a marble is a _____.

- A) gas
- ✓ B) solid
- C) liquid

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,812,430

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

[Remove From Test](#)

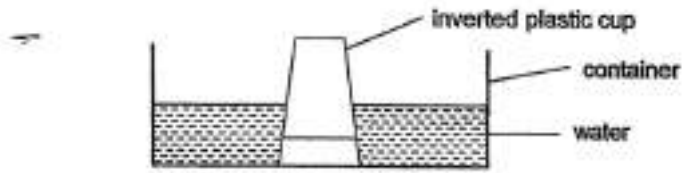
Question 42

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Adam inverted a plastic cup shown below.

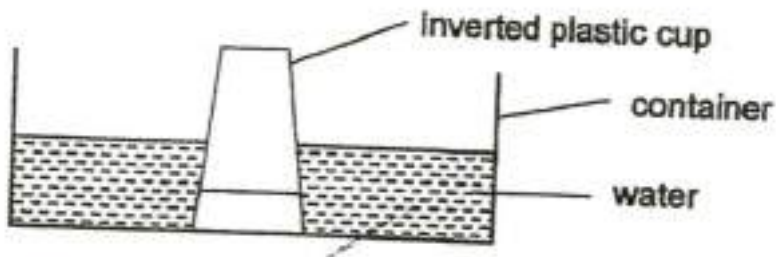
In the diagram, draw a line to indicate the water level in the inverted cup as he slowly pushed it straight into the container of water,



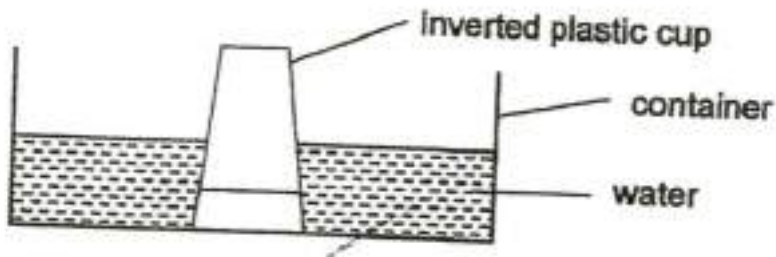
Please type "done" to proceed to the next question

Question Type: Essay
 Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,812,451

Correctly answered feedback



Incorrectly answered feedback



Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 43

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Give a reason for the water level you have drawn in (c)

Question Type: Essay

Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,813,307

Correctly answered feedback

Air occupies space in the cup and hence water rise a little or falls below the water level of the container

Incorrectly answered feedback

Air occupies space in the cup and hence water rise a little or falls below the water level of the container

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

[Remove From Test](#)

Question 44

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Mrs Tan filled a flower pot with sand as shown in the diagram below.



She observed that the sand took the shape of the flower pot so she concluded that sand is a liquid. Do you agree with her? Give a reason for your answer.

Question Type: Essay
 Date Added: Mon 11th Jan 2021
 Last Modified: N/A
 QID#: 25,813,316

Correctly answered feedback

No. Sand is a solid because each grain of sand is a tiny solid that has a definite shape.

Incorrectly answered feedback

No. Sand is a solid because each grain of sand is a tiny solid that has a definite shape.

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

[Remove From Test](#)

Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

She observed that after adding 100 cm³ of water into the flower pot, the total volume of water and sand in the flower pot was less than 300 cm³.



Explain why the total volume of sand and water is less than 300 cm³.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,375

Correctly answered feedback

Water is a liquid that occupies the small air spaces between the solid grains of sands

Incorrectly answered feedback

Water is a liquid that occupies the small air spaces between the solid grains of sands

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

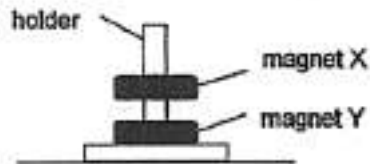
[Remove From Test](#)

Question 46

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Jing Jing placed two ring magnets X and Y through a holder shown below.



The holder was made of wood and did not attract the magnets.

Wood is a _____ material.

Accepted answers:

- ✓ non-magnetic
- ✓ non- magnetic
- ✓ non -magnetic
- ✓ non - magnetic
- ✓ non magnetic

Question Type: Free Text
Date Added: Mon 11th Jan 2021
Last Modified: Mon 11th Jan 2021
QID#: 25,813,389

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

[Remove From Test](#)

Question 47

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Why was magnet X above magnet Y?

Magnet Y was _____ magnet X.

Accepted answers:

- ✓ repelling

Question Type: Free Text
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,404

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

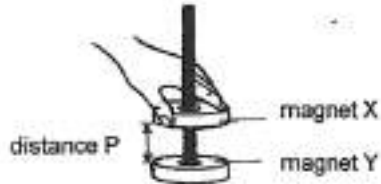
[Remove From Test](#)

Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Jing Jing tried to push magnet X towards magnet Y as shown below.



She observed that she had to push harder as distance P decreased. Give a reason for her observation.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,418

Correctly answered feedback

As distance P decreases, the repulsion between two magnets increases.

Incorrectly answered feedback

As distance P decreases, the repulsion between two magnets increases.

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

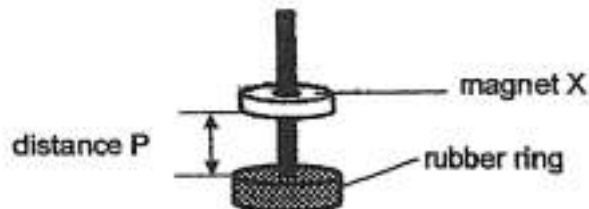
[Remove From Test](#)

Question 49

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Jing Jing replaced magnet Y with a rubber ring shown below.



What will happen to distance P? Give a reason for your answer.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,427

Correctly answered feedback

Distance P would become zero as rubber is not a magnet

Incorrectly answered feedback

Distance P would become zero as rubber is not a magnet

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

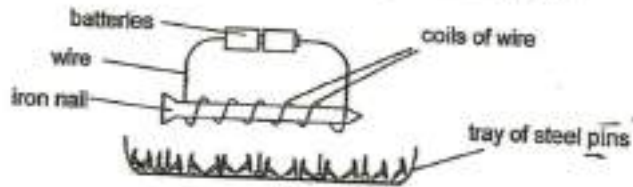
[Remove From Test](#)

Question 50

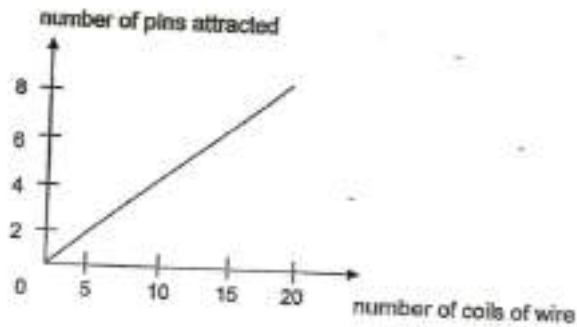
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

- Yvonne carried out an experiment to investigate how the number of coils of wire around an iron nail affects the number of steel pins attracted by it.



She recorded her results in the graph below.



Based on Yvonne's graph, what can she conclude about the number of coils of wire and the number of pins attracted by the electromagnet?

[1]

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,436

Correctly answered feedback

The greater the number of coils of wire, the greater the number of pins attracted by the electromagnet

Incorrectly answered feedback

The greater the number of coils of wire, the greater the number of pins attracted by the electromagnet

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

[Remove From Test](#)

Question 51

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

State one other variable that should be kept unchanged for Yvonne's experiment to be fair.

Question Type: Essay
Date Added: Mon 11th Jan 2021

Last Modified: N/A
QID#: 25,813,442

Correctly answered feedback

The number of batteries used in the set-up should be the same.

Incorrectly answered feedback

The number of batteries used in the set-up should be the same.

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

[Remove From Test](#)

Question 52

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Yvonne changed the iron nail to a copper nail for her electro magnet. What would she observe? Give a reason for your answer.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,454

Correctly answered feedback

The copper nail would not attract any steel pins. Only magnetic materials such as the iron nail can be made into electromagnets. Copper is a non-magnetic material, and thus, the copper nail would not attract and steel pins

Incorrectly answered feedback

The copper nail would not attract any steel pins. Only magnetic materials such as the iron nail can be made into electromagnets. Copper is a non-magnetic material, and thus, the copper nail would not attract and steel pins

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

[Remove From Test](#)

Question 53

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Zoey shines a torch on a ball and a shadow is formed on a smooth wall.



A shadow is formed when path of light is _____ by an object.

Accepted answers:

✓ blocked

Question Type: Free Text

Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,459

Answers | Edit | Duplicate | Used In | Reorder

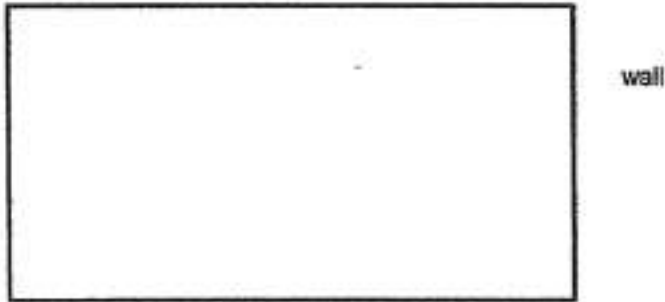
Remove From Test

Question 54

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

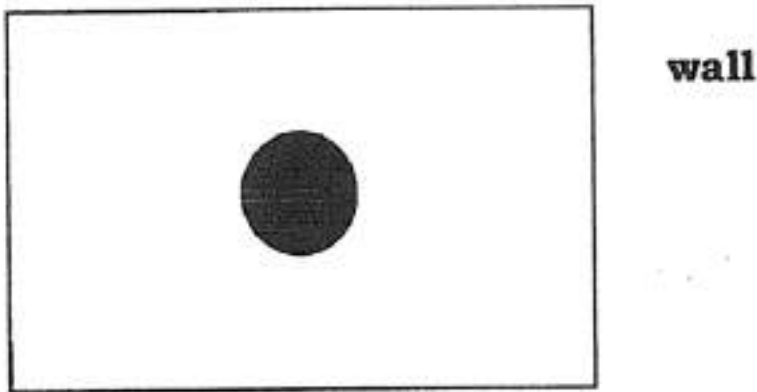
Draw the shadow of the ball that is formed on the wall in the box below.



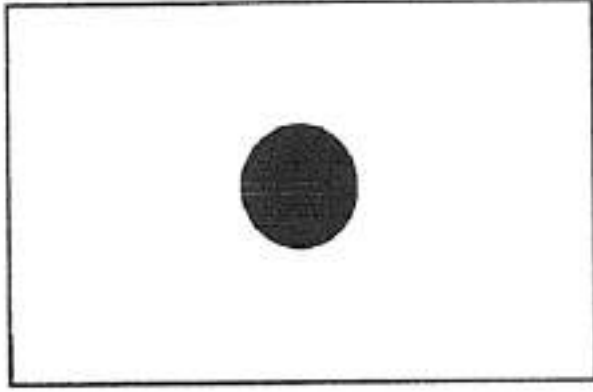
Please type "done" to proceed to the next question

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,466

Correctly answered feedback



Incorrectly answered feedback

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

Question 55

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Zoey conducted another experiment by replacing the ball with object X. She observed that there was no shadow formed by object X on the wall.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,534

Correctly answered feedback

Object X allows most light to pass through

Incorrectly answered feedback

Object X allows most light to pass through

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

Question 56

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

- Nina conducted an experiment as shown below. She wanted to find out the amount of light that is able to pass through four different materials A, B, C and D. She shone the torch at material A and recorded the amount of light detected by the light sensor.



She repeated the experiment with materials B, C and D and recorded her results in the table below.

Material	Amount of light detected by the light sensor (lux)
A	235
B	0
C	433
D	796

The diagram below shows a windscreen of a car.



Which material A, B, C or D is most suitable for making a windscreen of a car? Give a reason for your answer.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,569

Correctly answered feedback

Material D. It allows 796 lux of light pass through indicating that it allow most light to pass through and it is transparent. The windscreen of a car has to allow most light to pass through so that the driver can see other cars. Thus, Material D is most suitable to make a windscreen

Incorrectly answered feedback

Material D. It allows 796 lux of light pass through indicating that it allow most light to pass through and it is transparent. The windscreen of a car has to allow most light to pass through so that the driver can see other cars. Thus, Material D is most suitable to make a windscreen

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

[Remove From Test](#)

Question 57

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Other than the torch and the light sensor, state two variables that should remain the same for the experiment to be fair.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,633

Correctly answered feedback

1. The thickness of the material
2. The distance of the material and the torch must be kept the same

Incorrectly answered feedback

1. The thickness of the material
2. The distance of the material and the torch must be kept the same

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

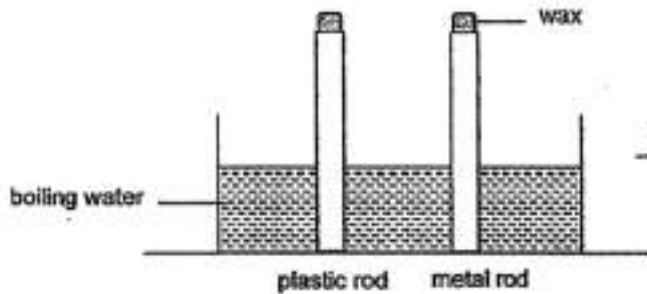
[Remove From Test](#)

Question 58

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Zuffri placed a plastic rod and a metal rod into a tank of boiling water shown below. Equal amounts of wax were placed on both rods.



What would he observe and why?

The wax on the plastic rod melted _____ than the wax on the metal rod, as plastic is a _____ conductor of heat than metal.

Accepted answers:

- ✓ slower, poorer
- ✓ slower , poorer
- ✓ slower,poorer
- ✓ slower poorer
- ✓ Slower ,Poorer

Question Type: Free Text
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,672

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

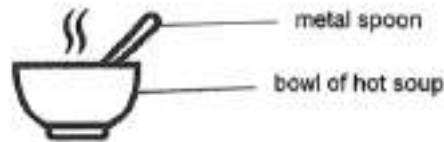
[Remove From Test](#)

Question 59

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Zuffri placed a metal spoon in a bowl of hot soup shown below. Zuffri observed that the spoon became hot after a while.



Explain why the spoon became hot after a while.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,694

Correctly answered feedback

Metal is a good conductor of heat, the heat from the bowl of hot soup heated the spoon quickly, the spoon gained heat, so it is hot

Incorrectly answered feedback

Metal is a good conductor of heat, the heat from the bowl of hot soup heated the spoon quickly, the spoon gained heat, so it is hot

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

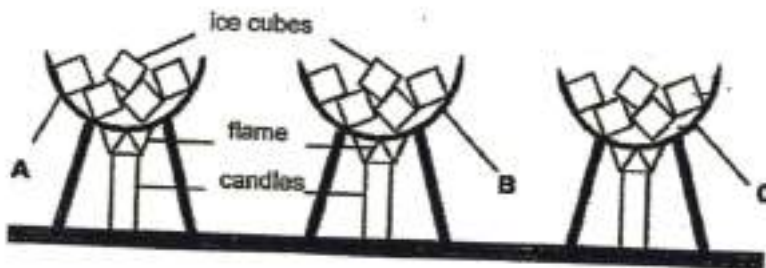
[Remove From Test](#)

Question 60

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Liza heated an equal number of similar-sized ice cubes in three containers A, B and C shown below. The containers were of the same shape and size but they were made of different materials.



She recorded the results of her experiment in the table below.

Container	Time taken for all the ice cubes to melt completely (min)
A	2
B	4
C	3

From the results, which container A, B or C is the best conductor of heat? Explain why.

Question Type: Essay
Date Added: Mon 11th Jan 2021

Last Modified: N/A
QID#: 25,813,704

Correctly answered feedback

Container A. It conducted heat from the fire to the ice cubes the fastest as it only took 2 minutes to melt which is the fastest time to melt

Incorrectly answered feedback

Container A. It conducted heat from the fire to the ice cubes the fastest as it only took 2 minutes to melt which is the fastest time to melt

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

[Remove From Test](#)

Question 61

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Liza wanted to pack some ice cream in a container to bring to her friend's house.

Based on the results shown above which container A, B or C should she used to pack the ice cream?
Give a reason for your answer

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,725

Correctly answered feedback

Container B. It took 4 minutes to melt indicating that it took the longest time to melt the ice and it is the poorest conductor of heat. A container of ice cream has to keep the ice cream cold for the longest time. Hence, Container B is most suitable to make a container to contain ice cream.

Incorrectly answered feedback

Container B. It took 4 minutes to melt indicating that it took the longest time to melt the ice and it is the poorest conductor of heat. A container of ice cream has to keep the ice cream cold for the longest time. Hence, Container B is most suitable to make a container to contain ice cream.

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Question 62

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Sandra conducted an experiment using three rods made of materials S, T and U. She measured the distance bent by the rods when the same weight was hung on the rods and recorded the results in the table below.

Material	Distance bent (cm)
S	12
T	3
U	6

State the property of the material that is being tested in this experiment.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,733

Correctly answered feedback

The property is flexibility

Incorrectly answered feedback

The property is flexibility

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Question 63

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Sandra wanted to make part A of a fishing rod shown below.



Based on her results, which material S, T or U is most suitable for making part A of the fishing rod? Explain your answer.

Question Type: Essay
Date Added: Mon 11th Jan 2021
Last Modified: N/A
QID#: 25,813,741

Correctly answered feedback

Material S. It can bend the most without breaking and it can withstand the pull of the fish without breaking so easily.

Incorrectly answered feedback

Material S. It can bend the most without breaking and it can withstand the pull of the fish without breaking so easily.

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