


 **Primary 4 Science (Term 4) - Tao Nan (2020)**  Duplicate Print Delete Assign Test**Test Introduction**[+ Add Introduction](#)**52 Questions** (60 Points)Question Bank: 19,950 Questions 

Test Questions

1 Test Assignment

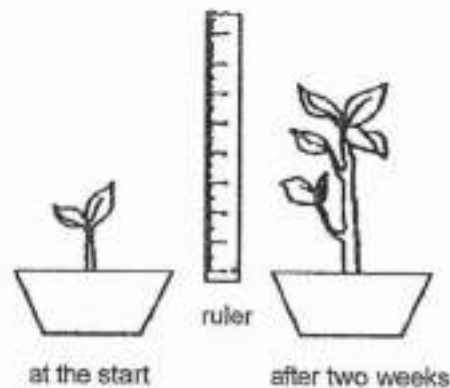
**Question 1**

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

For each question, four options are given. One of them is the correct answer. (22 x 2 marks)

Sarah found a plant in the garden and measured its height. After two weeks, she measured its height again.



From her observation, Sarah concluded that the plant is a living thing because it can \_\_\_\_\_.

- A) grow
- B) breathe
- C) reproduce
- D) respond to changes around it

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 25th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,206,813

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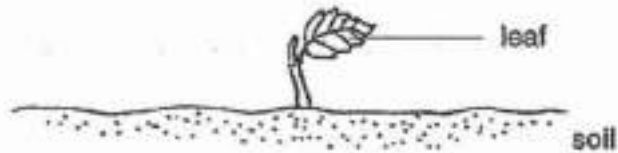
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## Question 2

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) absorb water
- D) absorb nutrients

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** Mon 28th Jun 2021  
**QID#:** 28,234,273

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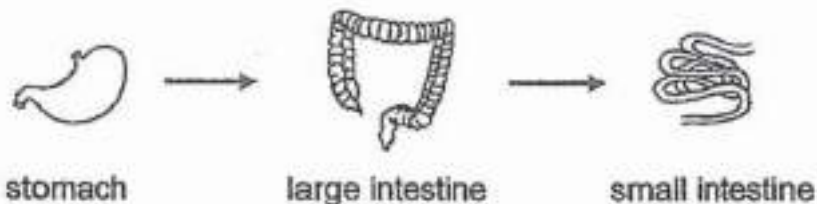
## Question 3

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following shows the correct order when food moves through some parts of the digestive system?

A)



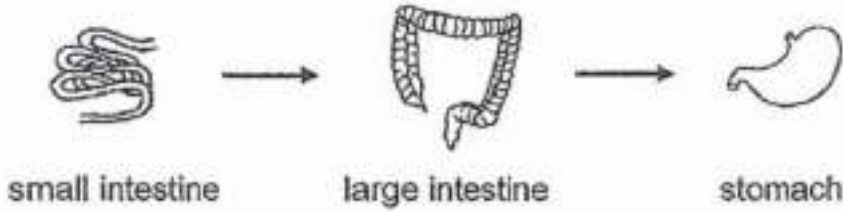
✓ B)



C)



D)



Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Mon 28th Jun 2021  
 Last Modified: Mon 28th Jun 2021  
 QID#: 28,235,309

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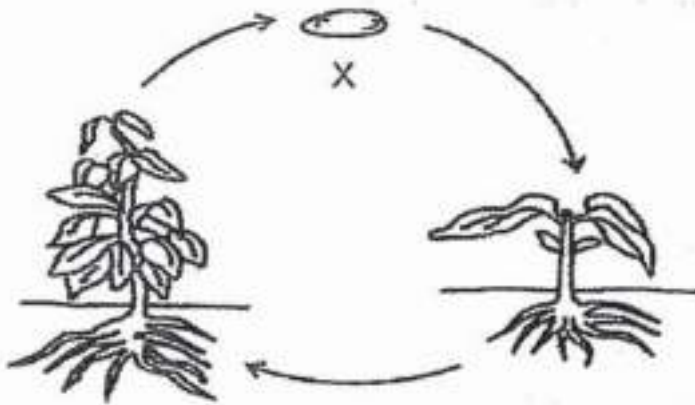
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## Question 4

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram shows the life cycle of a plant.



What is the stage marked X?

- A) egg
- ✓ B) seed
- C) adult plant
- D) young plant

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** Mon 28th Jun 2021  
**QID#:** 28,235,321

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

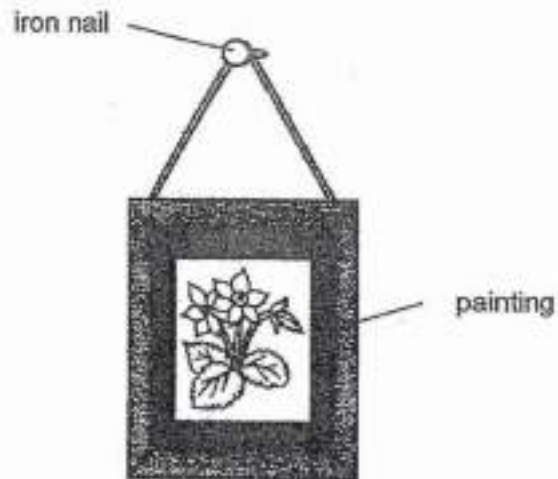
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## Question 5

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The diagram shows a painting hung on a wall using an iron nail.



Iron is used to make nails because iron \_\_\_\_\_.

- A) is shiny
- ✓ B) is strong
- C) sinks in water
- D) conducts heat well

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** Mon 28th Jun 2021  
**QID#:** 28,235,352

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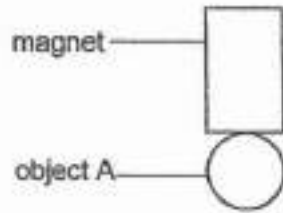
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## Question 6

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

An object A was attracted to a magnet, as shown in the figure below.



Object A is made of \_\_\_\_\_

- A) steel
- B) wood
- C) plastic
- D) rubber

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** Mon 28th Jun 2021  
**QID#:** 28,235,638

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

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## Question 7

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following properties is true for both air and a pencil?

- A) They can be seen.
- B) They take up space.
- C) They have fixed shapes.
- D) They have fixed volumes.

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,644

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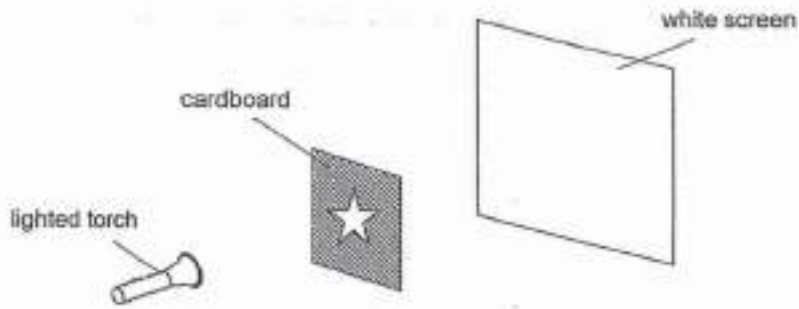
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## Question 8

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Jayden set up an experiment as shown below. First, he cut a star out of a square cardboard. He then placed the cardboard in a straight row. A torch was shone at them.



Which of the following would Jayden see on the screen?

A)



B)



✓ C)



D)



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,672

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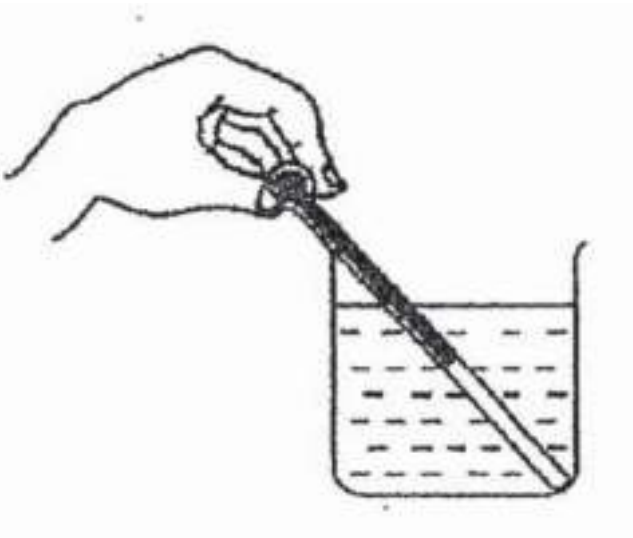
## Question 9

Primary 4 Science » Primary 4 Science (Term 4)

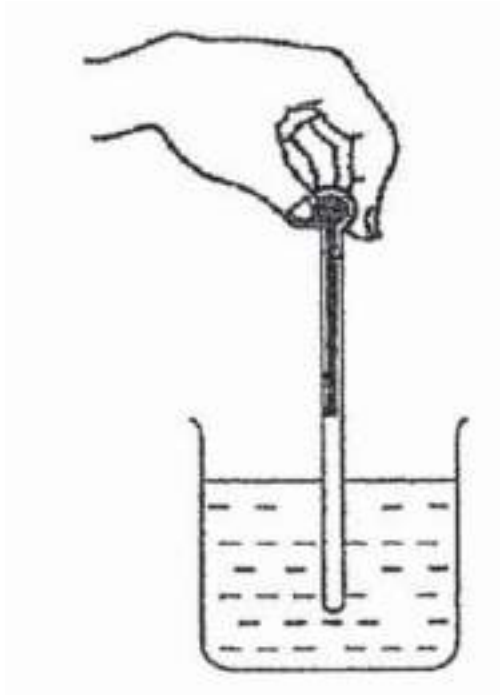
2 pts

Jane wants to measure the temperature of water in a beaker. Which of the following diagrams shows the correct position of the thermometer when taking the temperature reading?

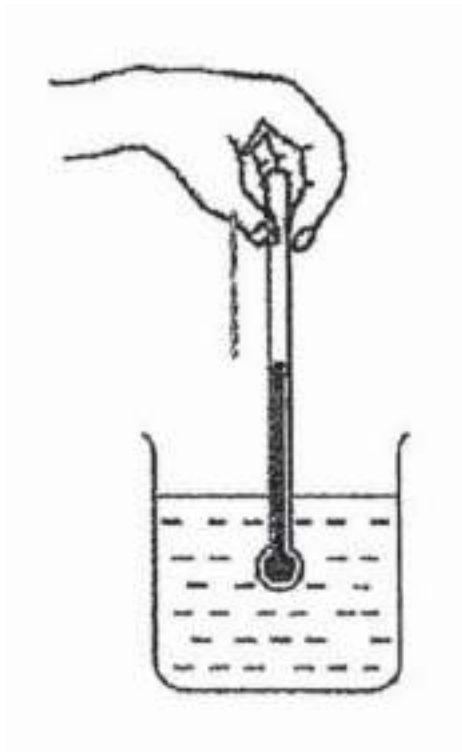
A)



B)

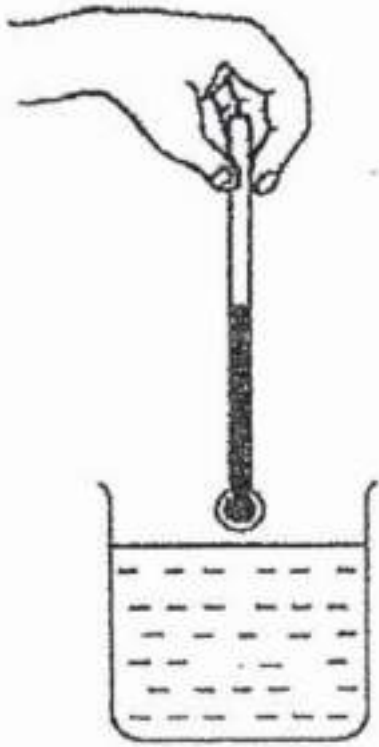


✓ C)



D)





**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,699

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## Question 10

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Which of the following is not a source of heat?

- A) the Sun
- B) a lighted bulb
- ✓ C) a woollen cap
- D) a candle flame

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,708

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

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## Question 11

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

James was riding his bicycle as shown below.



Which of the following system(s) is/are needed for James to be able to cycle?

- A: Skeletal System
- B: Muscular System
- C: Circulatory System
- D: Respiratory System

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,719

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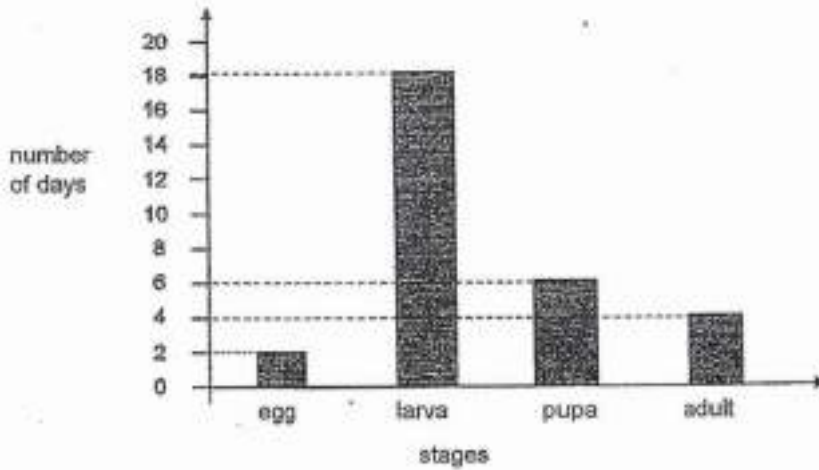
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## Question 12

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Joan studied the life cycle of a particular insect and recorded her observations using the graph below.



Based on the information given, which of the following conclusions is incorrect?

- A) The insect has four stages in its life cycle.
- B) The insect does not feed on Day 21 of its life cycle.
- C) The insect spends most of its life cycle in the larva stage.
- ✓ D) The insect takes 26 days to become an adult after the egg has hatched.

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,731

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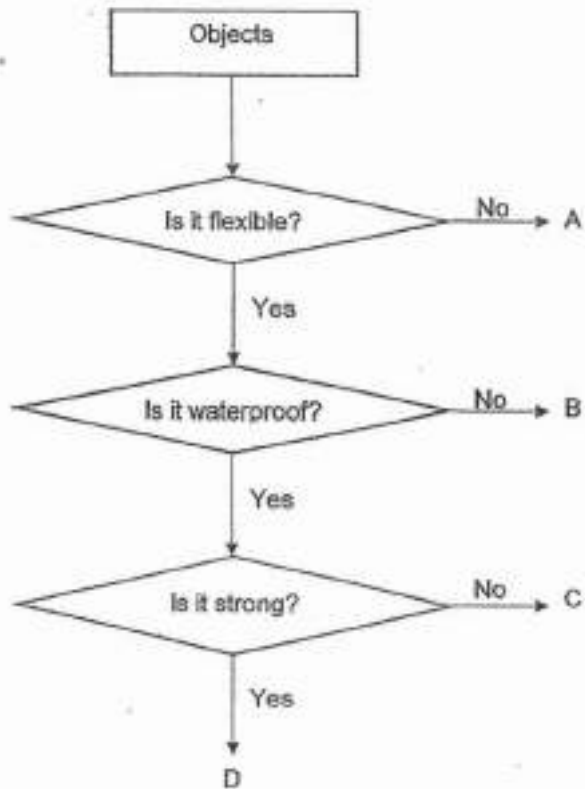
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## Question 13

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

The chart below is used to classify 4 objects, A, B, C and D.



Which one of the following objects, A, B, C and D, is most likely a bath towel?

- A) A
- ✓ B) B
- C) C
- D) D

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,742

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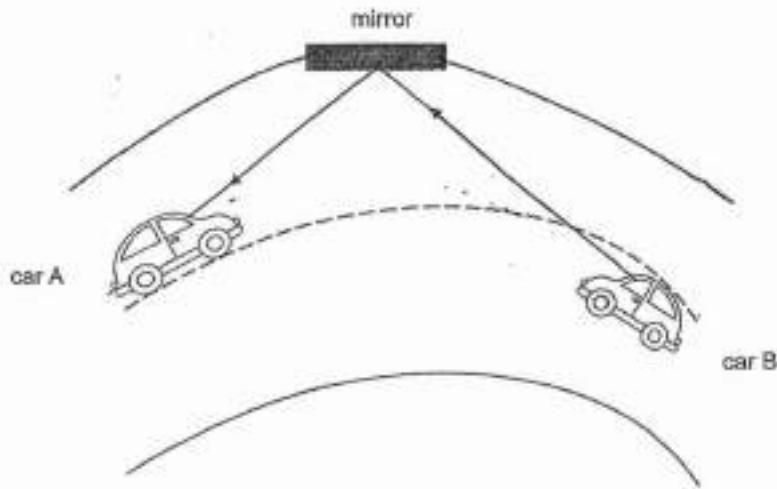
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## Question 14

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

A mirror was placed at a road bend by a mountain side to prevent the cars from colliding with each other when they go round the bend as shown in the diagram below.



Which property/properties of light allow(s) the driver in car A to see car B?

- A: Light travels in a straight line.
- B: Light can be reflected by mirrors.
- C: When light is blocked, a shadow is formed.

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,763

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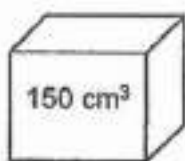
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## Question 15

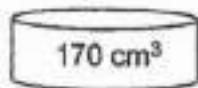
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

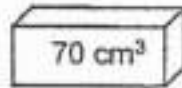
Which of the following containers(s) can hold  $150 \text{ cm}^3$  of air?



A



B



C

- A) A only

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,770

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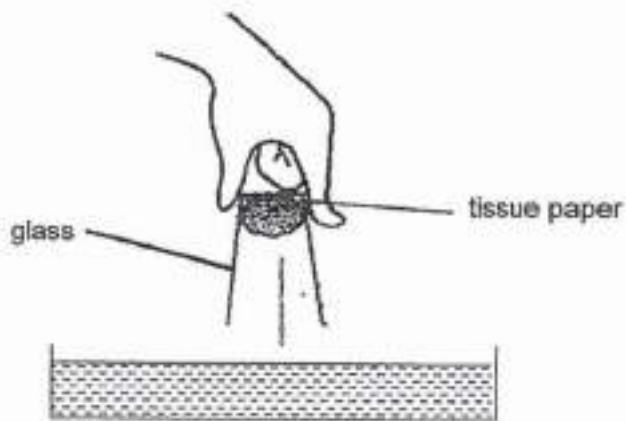
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## Question 16

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

John stuck a piece of tissue paper into the bottom of a glass.



What would be observed when the glass is fully pushed into the water?

- A) 

What would happen to the water?	What would happen to the paper?
The water would fill up the glass halfway.	wet
- B) 

What would happen to the water?	What would happen to the paper?
No water would enter the glass.	dry
- C) 

What would happen to the water?	What would happen to the paper?
The water would fill up the glass completely.	wet
- ✓ D) 

What would happen to the water?	What would happen to the paper?
Some water would enter the glass.	dry

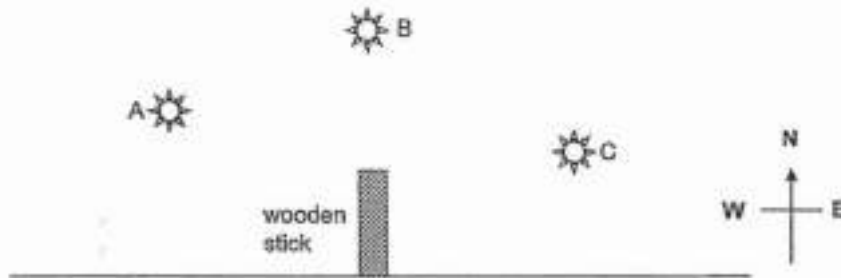
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,238,815

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 17**

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Natalie wanted to find out how the position of the Sun affects the length of a shadow. She placed a wooden stick in the middle of a field and observed its shadow when the Sun was at positions A, B and C, during the day as shown in the diagram below.



Based on the diagram above, which of the following statements is true?

- A) The Sun shining from position B will form the longest shadow.
- B) The Sun shining from position C will form the shortest shadow.
- ✓ C) The length of the shadow increases as the Sun moves from position B to A.
- D) The length of the shadow decreases as the Sun moves from position C to B to A.

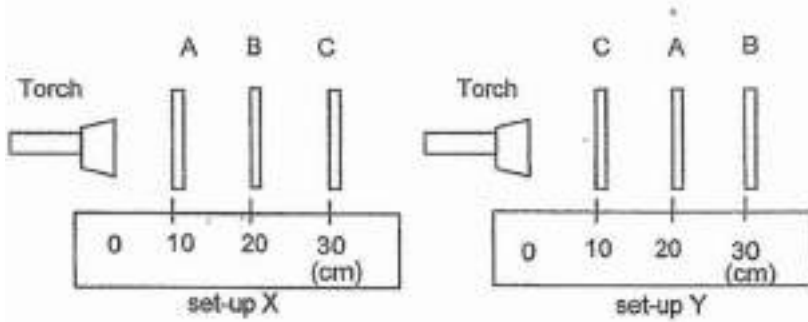
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,239,739

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 18**

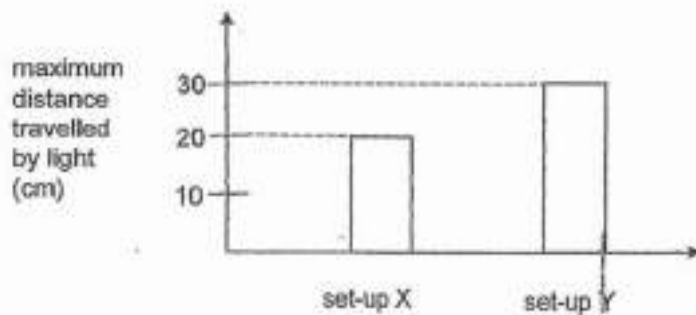
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

An experiment was conducted to investigate if light can pass through three sheets, A, B and C, made of different materials. The sheets were arranged into two set-ups, X and Y, as shown below.



The maximum distance at which light could be detected was measured and the results are shown in the graph below.



Which of the following correctly describes sheets A, B and C?

A) Does it allow light to pass through?

A	B	C
yes	yes	no

B) Does it allow light to pass through?

A	B	C
no	no	yes

✓ C) Does it allow light to pass through?

A	B	C
yes	no	yes

D) Does it allow light to pass through?

A	B	C
no	yes	no

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Mon 28th Jun 2021

Last Modified: N/A

QID#: 28,239,789

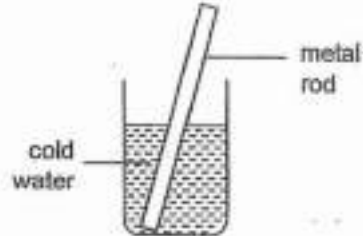


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Primary 4 Science » Primary 4 Science (Term 4)

2 pts

James placed a metal rod at room temperature, into a container of cold water as shown below. After some time, he could feel that the rod was cold.



Which of the following best explains why James's hands felt cold when he touched the rod?

- A) The rod lost heat to the water and his hand.
- B) The rod gained heat from the water and his hand.
- ✓ C) The rod gained heat from his hand and lost heat to the water.
- D) The rod gained heat from the water and lost heat to his hand.

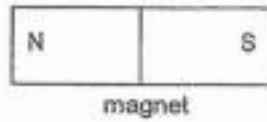
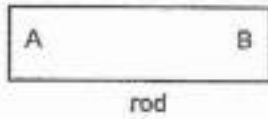
**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,019

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Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Lucas was given three rods, P, Q and R, made of different materials.



He placed the north pole of the bar magnet near A and then B of rods, P, Q and R, made of different materials. He recorded his results in the table below.

Rods	Observations seen when the North Pole of the magnet is brought near	
	A	B
P	moves towards the magnet	moves towards the magnet
Q	no movement	no movement
R	moves towards the magnet	moves away from the magnet

Which of the following statements is definitely true?

- A) Rod P is a magnet.
- B) Rod Q is made of steel.
- C) Rod R is made of aluminium.
- ✓ D) Rods P and R are made of magnetic materials.

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,033

[↶ Answers](#) | 
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## Question 21

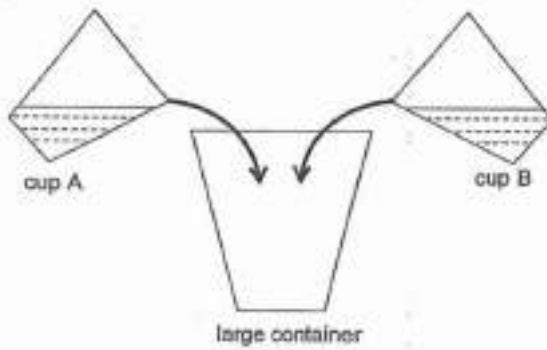
Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Raj had two cups of water of equal volume as shown below.



He poured all of the water in cup A and cup B into a large container. He then measured the temperature of the water in the large container immediately.



What could be the temperature of the water that Raj obtained in the large container?

- A) 20°C
- ✓ B) 60°C
- C) 80°C
- D) 100°C

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,045

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

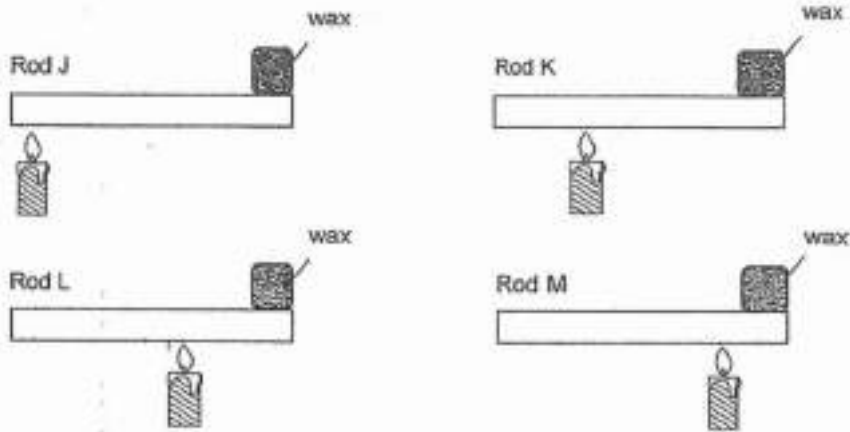
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## Question 22

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

All wanted to find out how well different materials, J, K, L and M, conduct heat. He placed the same amount of wax at the end of each rod of similar length and thickness. He then heated the rods at different positions as shown below.



All recorded the time taken for the wax on each metal rod to melt completely.

Rod	Time taken (min)
J	4
K	8
L	4
M	8

Based on the results above, which rods, J, L, K or M is classified under the correct heading?

- A) 

Best conductor of heat	Poorest conductor of heat
M	J
- B) 

Best conductor of heat	Poorest conductor of heat
L	K
- C) 

Best conductor of heat	Poorest conductor of heat
J	K
- ✓ D) 

Best conductor of heat	Poorest conductor of heat
J	M

Question Type: Multiple Choice  
 Randomize Answers: No  
 Date Added: Mon 28th Jun 2021  
 Last Modified: N/A  
 QID#: 28,241,065

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

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## Question 23

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Write your answers clearly.

Classify the following animals according to the number of stages in their life cycle. [2]



chicken



butterfly



beetle



grasshopper

Three - Staged Life Cycle: \_\_\_\_\_

**Accepted answers:**

- ✓ Chicken, Grasshopper
- ✓ chicken and grasshopper
- ✓ chicken grasshopper
- ✓ chicken,grasshopper
- ✓ chicken / grasshopper
- ✓ chicken/grasshopper
- ✓ Grasshopper, chicken
- ✓ Grasshopper,chicken

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,135

**Correctly answered feedback**

Grasshopper and chicken  
 Grasshopper and Chicken  
 Grasshopper / chicken  
 Grasshopper/Chicken  
 Grasshopper/chicken  
 Grasshopper / Chicken

**Incorrectly answered feedback**

Grasshopper and chicken  
 Grasshopper and Chicken  
 Grasshopper / chicken  
 Grasshopper/Chicken  
 Grasshopper/chicken  
 Grasshopper / Chicken

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

[Remove From Test](#)

## Question 24

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Classify the following animals according to the number of stages in their life cycle. [2]



chicken



butterfly



beetle



grasshopper

Four - Staged Life Cycle: \_\_\_\_\_

**Accepted answers:**

- ✓ Butterfly, beetle
- ✓ Butterfly and Beetle
- ✓ Butterfly beetle
- ✓ Butterfly/beetle
- ✓ Butterfly / Beetle
- ✓ beetle, butterfly
- ✓ beetle and butterfly
- ✓ beetle/butterfly

**Question Type:** Free Text

**Date Added:** Mon 28th Jun 2021

**Last Modified:** N/A

**QID#:** 28,241,186

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

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## Question 25

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Jasmine observed and grouped some things as shown in the table below.

F	G
lion	stone
ant	cloth
mushroom	pencil

What is the suitable heading for Group F?

**Accepted answers:**

- ✓ Living
- ✓ Living things

**Question Type:** Free Text

**Date Added:** Mon 28th Jun 2021

Last Modified: N/A  
 QID#: 28,241,205

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## Question 26

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

Jasmine observed and grouped some things as shown in the table below.

F	G
lion	stone
ant	cloth
mushroom	pencil

What is the suitable heading for Group G?

**Accepted answers:**

- ✓ Non-living thing
- ✓ non - living things
- ✓ non - living thing
- ✓ Non-Living Things

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,234

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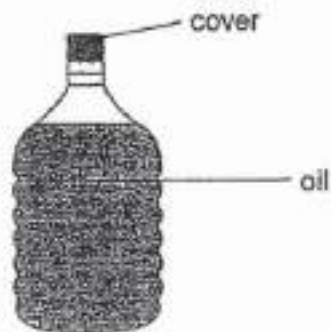
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## Question 27

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows a bottle of cooking oil.



Complete the sentences to state if the parts are solid, liquid or gas.

The cover is a \_\_\_\_\_.

**Accepted answers:**

- ✓ Solid

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,246

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

[Remove From Test](#)

## Question 28

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows a bottle of cooking oil.



Complete the sentences to state if the parts are solid, liquid or gas.

Oil is a \_\_\_\_\_.

**Accepted answers:**

✓ Liquid

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,249

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

[Remove From Test](#)

## Question 29

Primary 4 Science » Primary 4 Science (Term 4)

1 pt



Susan places a magnet near an iron rod. The iron rod moves towards the magnet.

The magnet exerts a \_\_\_\_\_ on the iron rod.

**Accepted answers:**

- ✓ pull
- ✓ magnetic pull
- ✓ pulling
- ✓ magnetic attraction
- ✓ force
- ✓ magnetic force



**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,283

**Correctly answered feedback**

pull / magnetic pull / pulling / magnetic attraction / force / magnetic force

**Incorrectly answered feedback**

pull / magnetic pull / pulling / magnetic attraction / force / magnetic force

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

[Remove From Test](#)**Question 30**

Primary 4 Science » Primary 4 Science (Term 4)

1 pt



Susan places a magnet near an iron rod. The iron rod moves towards the magnet.

Choose the correct word from the choices to fill in the blank below.

Susan's observation shows that iron is a \_\_\_\_\_ material.

- A) Flexible  
 B) Magnetic  
 C) Strong

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,296

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

[Remove From Test](#)**Question 31**

Primary 4 Science » Primary 4 Science (Term 4)

2 pts

Look at the pictures below. Select the item(s) if the item is a source of light.

A)

mirror



✓ B)

candle flame



C)

eyes



✓ D)

torch



**Question Type:** Multiple Response  
**Randomize Answers:** No  
**Grade style:** Full points if all answers are correct  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,321

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

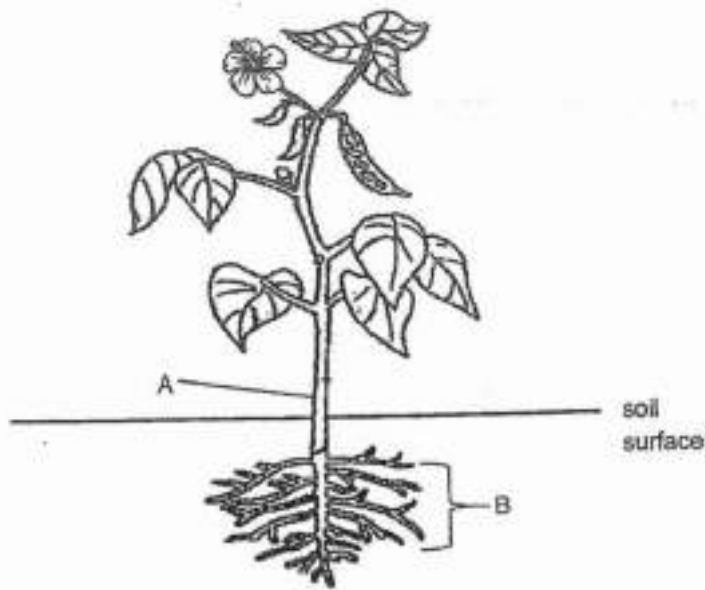
[Remove From Test](#)

## Question 32

Primary 4 Science » Primary 4 Science (Term 4)

1.5 pts

The diagram below shows a plant.



Name Part A and state its function.

**Accepted answers:**

✓ Stem

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,338

### Correctly answered feedback

A: Stem  
 Function: Support plant / keep the plant upright

### Incorrectly answered feedback

A: Stem  
 Function: Support plant / keep the plant upright

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

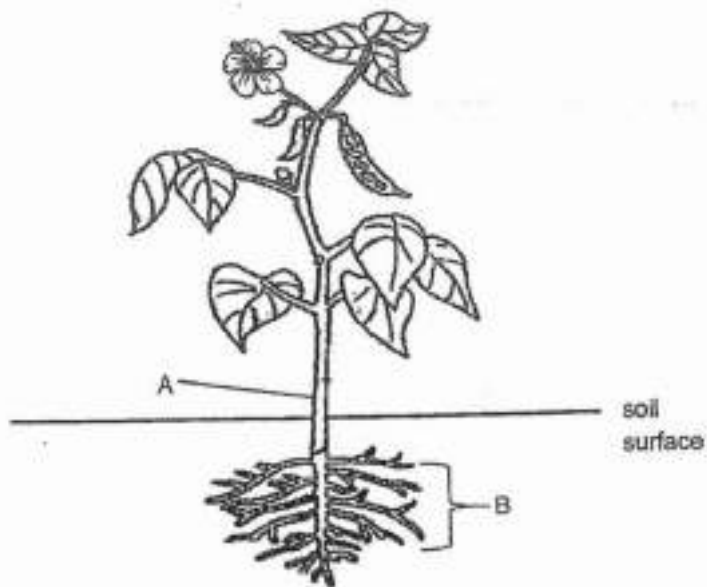
[Remove From Test](#)

## Question 33

Primary 4 Science » Primary 4 Science (Term 4)

1.5 pts

The diagram below shows a plant.



Name Part B and state its function.

**Accepted answers:**

✓ Root

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,346

**Correctly answered feedback**

B: Root  
Function: Hold plant firmly to the ground / absorb water from the soil

**Incorrectly answered feedback**

B: Root  
Function: Hold plant firmly to the ground / absorb water from the soil

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

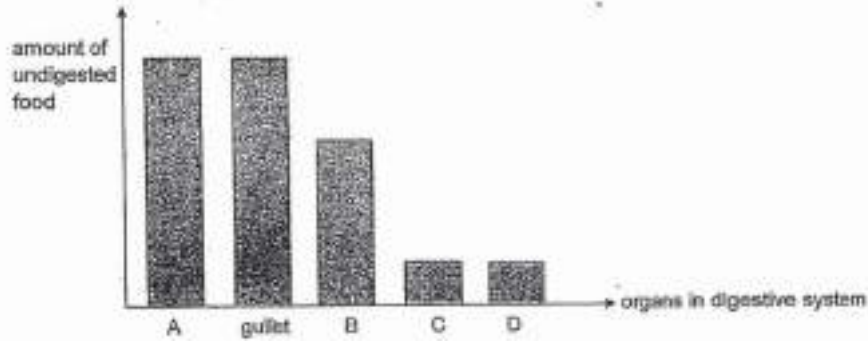
[Remove From Test](#)

## Question 34

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

A, B, C and D are organs in the digestive system. The graph below shows the amount of undigested food leaving each organ after a meal.



Identify Part D.

**Accepted answers:**

✓ Large intestine

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,356

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

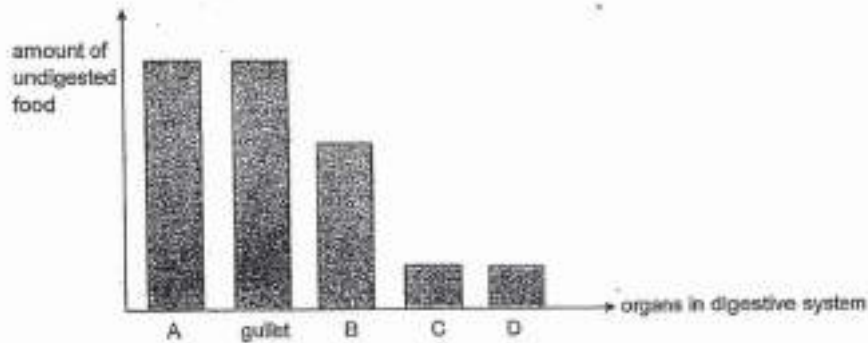
[Remove From Test](#)

## Question 35

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

A, B, C and D are organs in the digestive system. The graph below shows the amount of undigested food leaving each organ after a meal.



What is a function of Part D? (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,379

**Correctly answered feedback**

It absorbs water from the undigested food into bloodstream.

**Incorrectly answered feedback**

It absorbs water from the undigested food into bloodstream.

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

[Remove From Test](#)

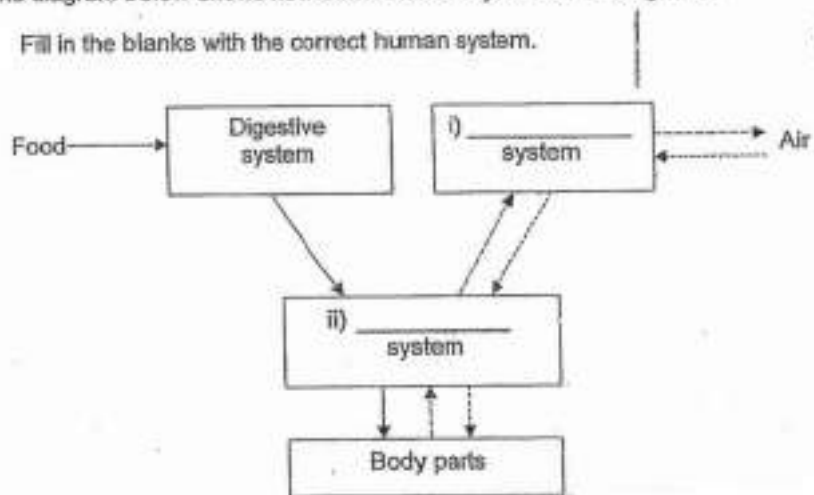
## Question 36

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows how some human systems work together.

Fill in the blanks with the correct human system. [2]



Name part i).

**Accepted answers:**

✓ Respiratory system

**Question Type:** Free Text

**Date Added:** Mon 28th Jun 2021

**Last Modified:** N/A

**QID#:** 28,241,397

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

[Remove From Test](#)

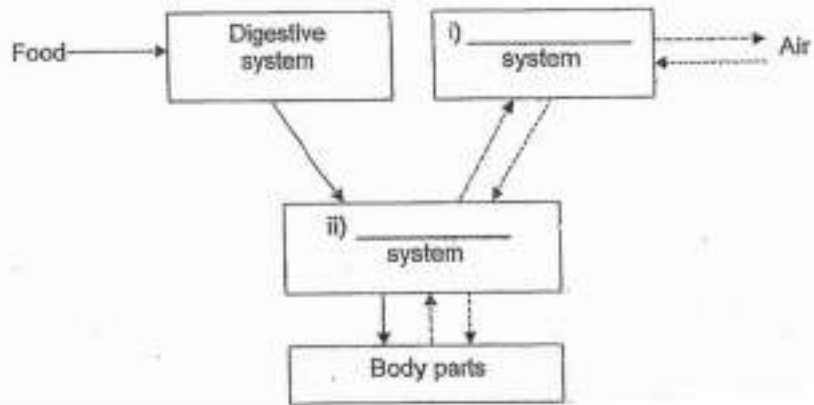
## Question 37

Primary 4 Science » Primary 4 Science (Term 4)

1 pt

The diagram below shows how some human systems work together.

Fill in the blanks with the correct human system. [2]



Name part ii).

**Accepted answers:**

✓ Circulatory system

**Question Type:** Free Text  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,411

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

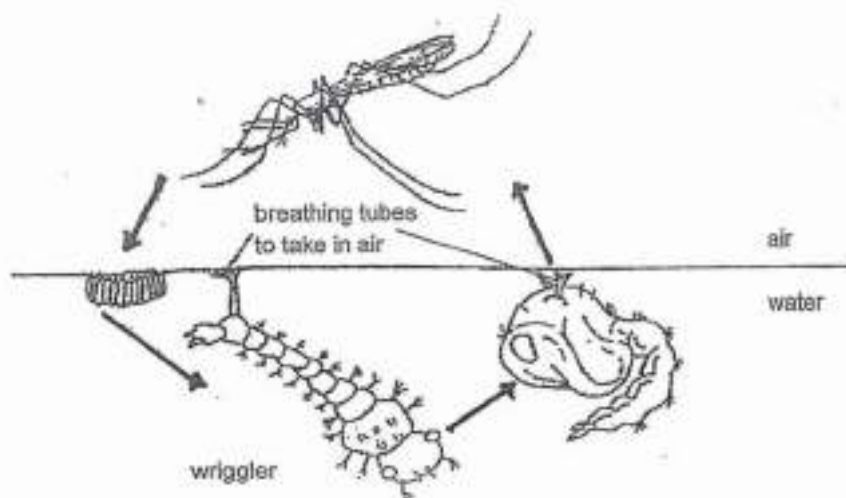
[Remove From Test](#)

## Question 38

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows the life cycle of an Aedes mosquito.



Based on the diagram above, how many stages are there in the life cycle of the Aedes mosquito? (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,438

**Correctly answered feedback**

There are 4 stages.

**Incorrectly answered feedback**

There are 4 stages.

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

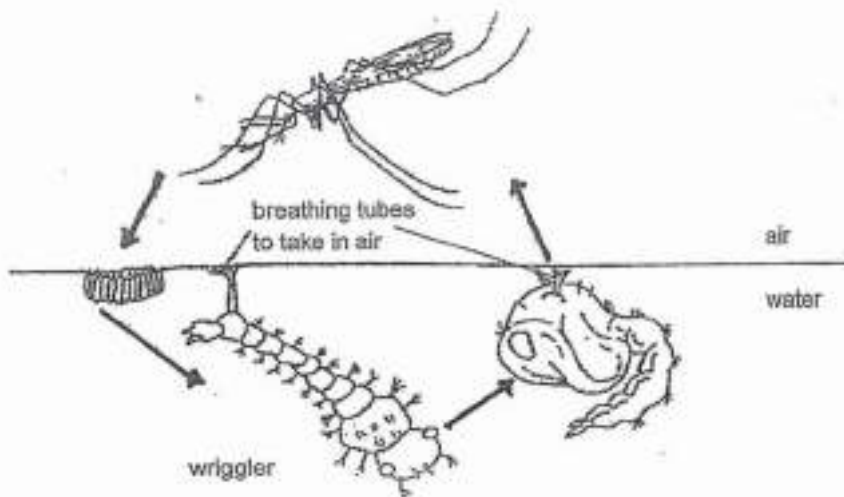
[Remove From Test](#)

## Question 39

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows the life cycle of an Aedes mosquito.



Dengue fever is caused by Aedes mosquitoes. During the rainy periods, more Singaporeans may contract dengue fever.

A teacher asks Amelia to suggest a way to stop mosquitoes from breeding in a fish pond. She suggested spraying oil on the surface.

Based on the diagram of the wriggler shown above, explain how Amelia's suggestion would kill the wigglers. (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,512

**Correctly answered feedback**

The wriggler's breathing tube would be blocked by the oil so the wriggler cannot take in air.



**Incorrectly answered feedback**

The wriggler's breathing tube would be blocked by the oil so the wriggler cannot take in air.

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

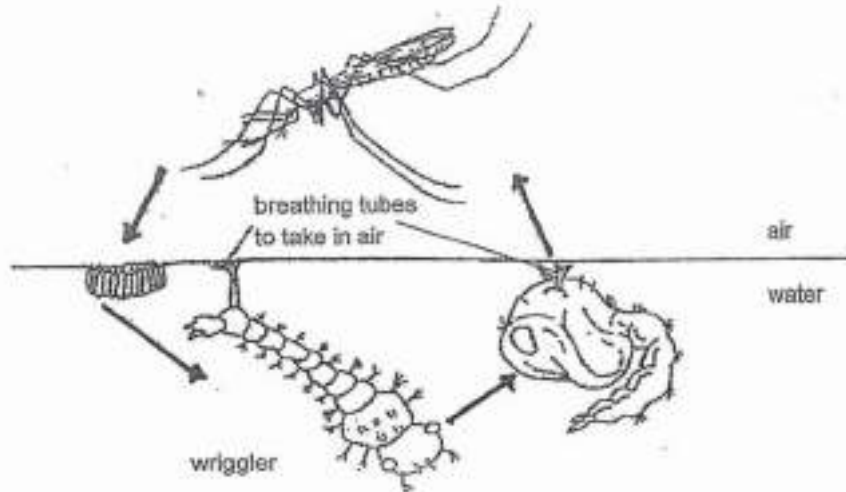
[Remove From Test](#)

**Question 40**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram below shows the life cycle of an Aedes mosquito.



Dengue fever is caused by Aedes mosquitoes. During the rainy periods, more Singaporeans may contract dengue fever.

A teacher asks Amelia to suggest a way to stop mosquitoes from breeding in a fish pond. She suggested spraying oil on the surface.

Suggest another way to stop the breeding of mosquitoes, without harming the living things in the pond. (1 mark)

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

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

**Question Type:** Essay

**Date Added:** Mon 28th Jun 2021

**Last Modified:** N/A

**QID#:** 28,241,598

**Correctly answered feedback**

Introduce a fish in the pond.

**Incorrectly answered feedback**

Introduce a fish in the pond.

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

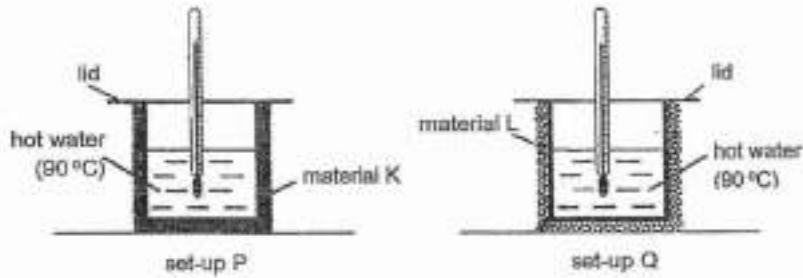
[Remove From Test](#)

**Question 41**

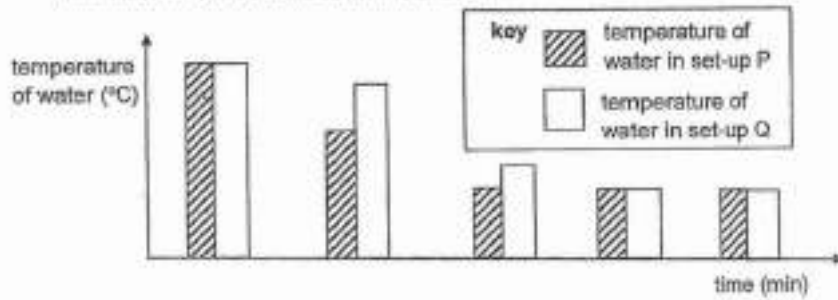
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Endy conducted an experiment using set-ups P and Q as shown below. He wrapped two identical glass beakers with materials K and L. He filled both beakers with the same volume of hot water that are of the same temperature.



Endy measured the temperatures of the water in both set-ups over a period of time and plotted his results in the graph below.



Based on the graph for set-up P, state the relationship between the temperature of water and time. (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Mon 28th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,241,658

#### Correctly answered feedback

As the time increases, the temperature of the water decreases until it reaches room temperature.

#### Incorrectly answered feedback

As the time increases, the temperature of the water decreases until it reaches room temperature.

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

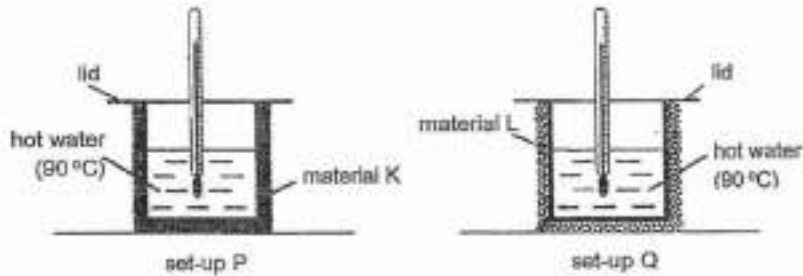
[Remove From Test](#)

## Question 42

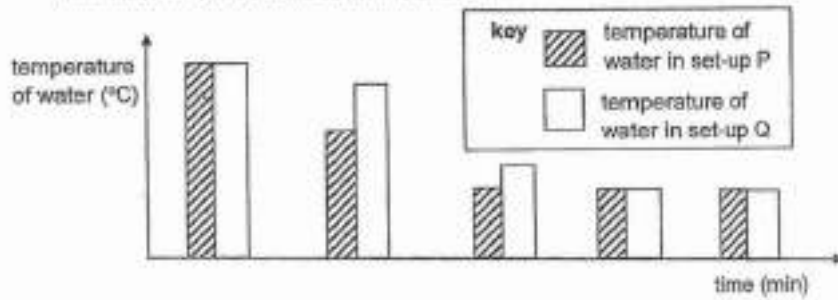
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Endy conducted an experiment using set-ups P and Q as shown below. He wrapped two identical glass beakers with materials K and L. He filled both beakers with the same volume of hot water that are of the same temperature.



Endy measured the temperatures of the water in both set-ups over a period of time and plotted his results in the graph below.



What must Endy do to ensure his results are reliable? (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,322

#### Correctly answered feedback

Repeat the experiment several times.

#### Incorrectly answered feedback

Repeat the experiment several times.

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

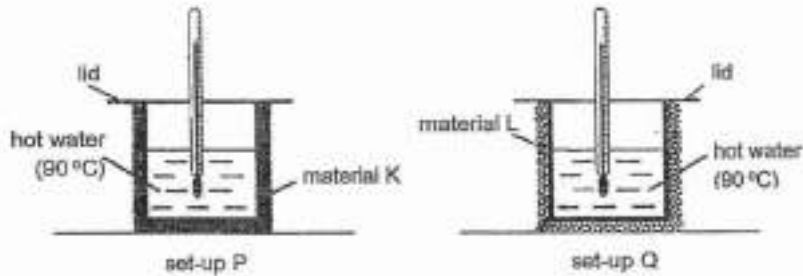
[Remove From Test](#)

## Question 43

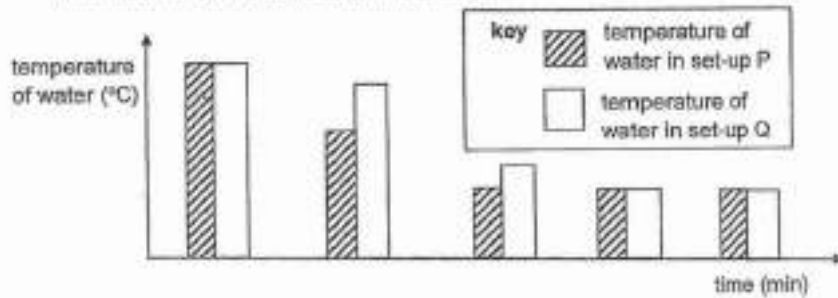
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Endy conducted an experiment using set-ups P and Q as shown below. He wrapped two identical glass beakers with materials K and L. He filled both beakers with the same volume of hot water that are of the same temperature.



Endy measured the temperatures of the water in both set-ups over a period of time and plotted his results in the graph below.



Which materials K or L, would be more suitable to keep a tub of ice cream frozen for a longer period of time? Explain why. (2 marks)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,332

#### Correctly answered feedback

Material L is a poorer conductor of heat. (property)

Temperature of water in Material L decreased slower over time compared to temperature of water in Material K. (evidence from the table)

Ice cream (heat destination) will gain less heat from the surrounding (heat source) - Heat direction must be clearly stated. (application)

#### Incorrectly answered feedback

Material L is a poorer conductor of heat. (property)

Temperature of water in Material L decreased slower over time compared to temperature of water in Material K. (evidence from the table)

Ice cream (heat destination) will gain less heat from the surrounding (heat source) - Heat direction must be clearly stated. (application)

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

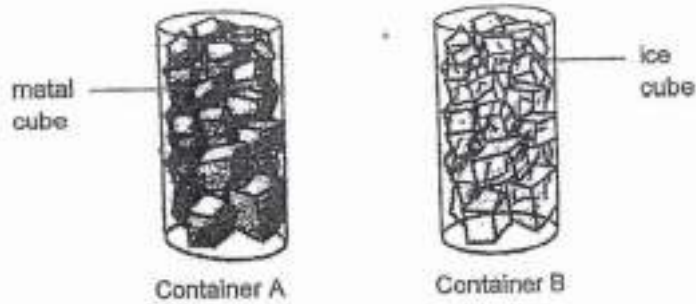
[Remove From Test](#)

## Question 44

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Containers A and B were completely filled to the brim with cubes made of different materials but of identical size.



After 15 minutes, more cubes could be added to Container B but not container A. Explain why. (2 marks)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,341

#### Correctly answered feedback

The ice cubes gained heat from the surroundings and changed from solid state to liquid state as its melting point is  $0^{\circ}\text{C}$ , but metal cube melting is very high so it will not change state as its melting point is very high. Hence, the metal cube were blocking each other cubes' space that's why more cubes could not be added to container B.

#### Incorrectly answered feedback

The ice cubes gained heat from the surroundings and changed from solid state to liquid state as its melting point is  $0^{\circ}\text{C}$ , but metal cube melting is very high so it will not change state as its melting point is very high. Hence, the metal cube were blocking each other cubes' space that's why more cubes could not be added to container B.

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

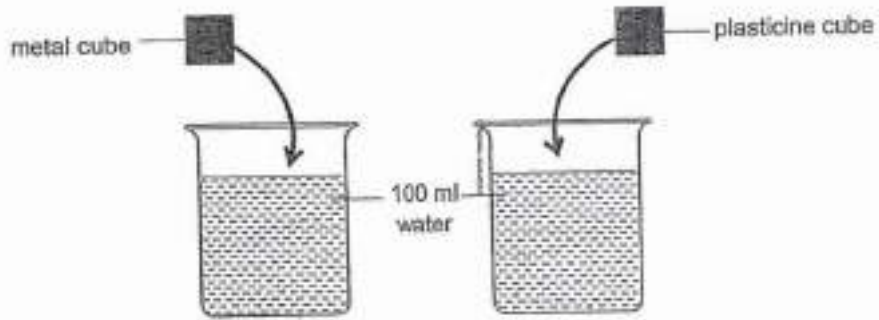
[Remove From Test](#)

## Question 45

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

A metal cube weighing 100 g and a plasticine cube weighing 50 g of similar sizes were gently placed into two separate beakers as shown below.



Will the increase in water level be the same for both beakers? Explain your answer. [1]

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

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

Question Type: Essay  
 Date Added: Tue 29th Jun 2021  
 Last Modified: N/A  
 QID#: 28,247,346

**Correctly answered feedback**

Yes, as both cubes have mass and their mass will affect the water level.

**Incorrectly answered feedback**

Yes, as both cubes have mass and their mass will affect the water level.

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

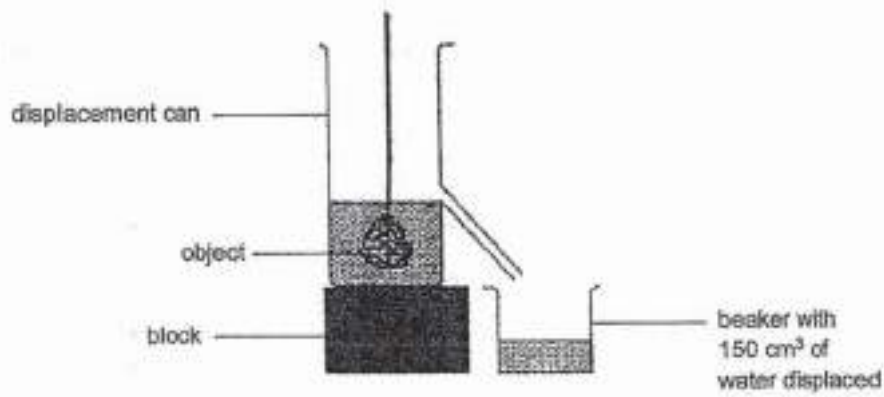
[Remove From Test](#)

## Question 46

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

The diagram shows an object after it is dropped into a displacement can. Water displaced from the displacement can and flowed into a beaker.



Is the volume of the object  $150 \text{ cm}^3$ ? Explain your answer.

[1]

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,356

#### Correctly answered feedback

Yes. The object occupied space in the displacement can. Hence, the water level rose and some water flowed into the beaker to allow the object to occupy the space previously occupied by the water.

#### Incorrectly answered feedback

Yes. The object occupied space in the displacement can. Hence, the water level rose and some water flowed into the beaker to allow the object to occupy the space previously occupied by the water.

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

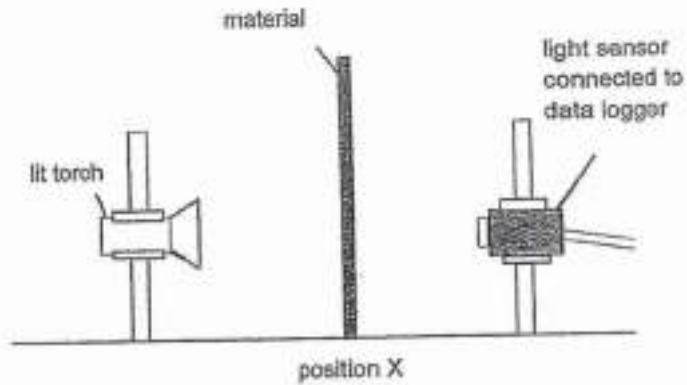
[Remove From Test](#)

## Question 47

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Mr Lee conducted the experiment below in a dark room.



He placed materials, P, Q and R, of equal thickness at position X. He recorded the amount of light detected by the light sensor. He observed that when no materials was placed at position X, the amount of light detected by the light sensor was 5000 units.

His results are shown below.

Materials	Amount of light detected (units)
P	5000
Q	0
R	900

Is the experiment a fair test? Explain why. (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,363

**Correctly answered feedback**

Yes. The only changed variable is the type of material at Position X.

**Incorrectly answered feedback**

Yes. The only changed variable is the type of material at Position X.

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

[Remove From Test](#)

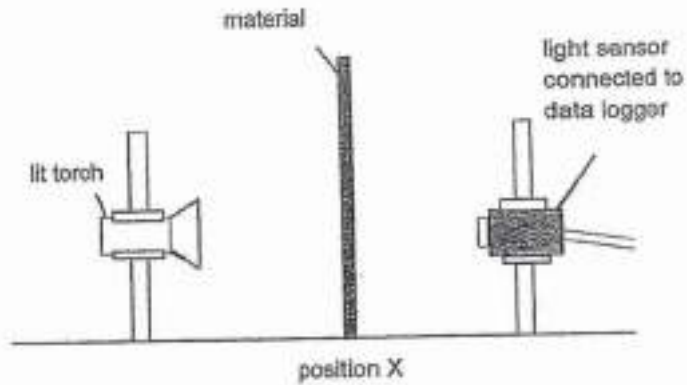
## Question 48

Primary 4 Science » Primary 4 Science (Term 4)

0 pts



Mr Lee conducted the experiment below in a dark room.



He placed materials, P, Q and R, of equal thickness at position X. He recorded the amount of light detected by the light sensor. He observed that when no materials was placed at position X, the amount of light detected by the light sensor was 5000 units.

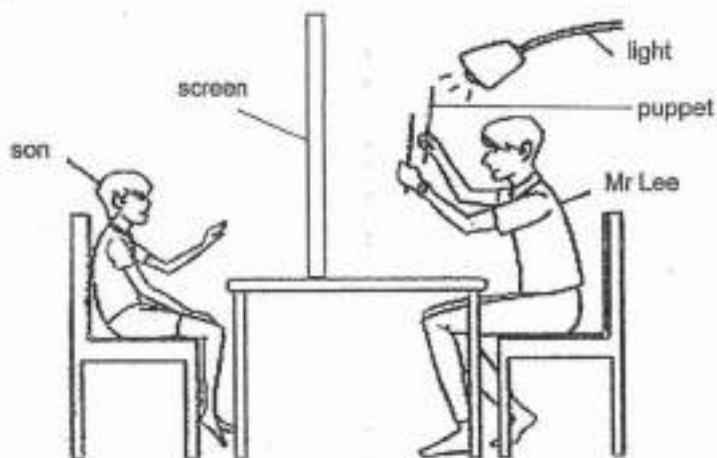
His results are shown below.

Materials	Amount of light detected (units)
P	5000
Q	0
R	900

Mr Lee put up a puppet show and the shadows cast at the screen are as shown below.



His son saw the shadows of the puppet from where he was seated as shown below.



Based on the results of Mr Lee's experiment, which materials, P, Q or R, is most suitable to be used as a screen? Explain your answer. (2 marks)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,378

#### Correctly answered feedback

Material R. As it allows some light to pass through. Hence, his son would be able to see the shadow of the puppets at the other side of the screen.

#### Incorrectly answered feedback

Material R. As it allows some light to pass through. Hence, his son would be able to see the shadow of the puppets at the other side of the screen.

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

[Remove From Test](#)

## Question 49

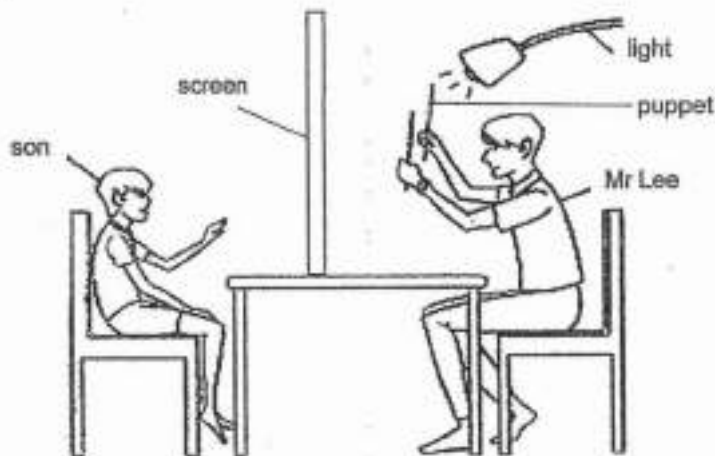
Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Mr Lee put up a puppet show and the shadows cast at the screen are as shown below.



His son saw the shadows of the puppet from where he was seated as shown below.



What must Mr Lee do to the position of the puppets if he wants to create a smaller shadow on the screen? (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A

QID#: 28,247,383

**Correctly answered feedback**

Move the puppets closer to the screen.

**Incorrectly answered feedback**

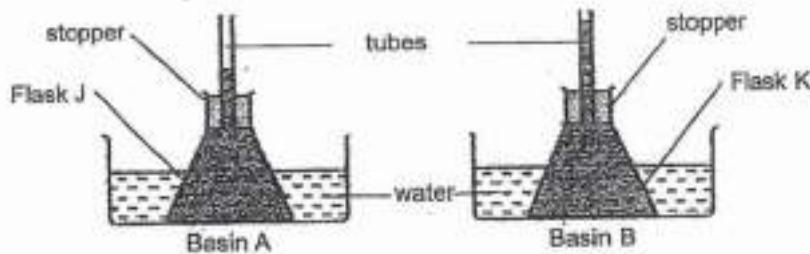
Move the puppets closer to the screen.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 50**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Megan filled two identical flasks, K and J, with the same amount of similar coloured water. She placed them in two basins, A and B, with water at different temperatures as shown below. She observed that the water levels in both tubes rose.



Compare the temperatures of the water in basins A and B. (1 mark)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,395

**Correctly answered feedback**

The temperature of the water in Basin B is higher than Basin A.

**Incorrectly answered feedback**

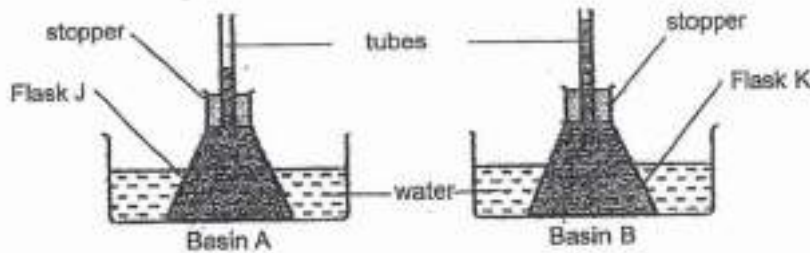
The temperature of the water in Basin B is higher than Basin A.

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 51**

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Megan filled two identical flasks, K and J, with the same amount of similar coloured water. She placed them in two basins, A and B, with water at different temperatures as shown below. She observed that the water levels in both tubes rose.



Explain the difference in the water levels observed in Flasks J and K. (2 marks)

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

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

**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,403

#### Correctly answered feedback

The water in Flask gained more heat from the water in Basin B and expanded more than the water in Basin A.

#### Incorrectly answered feedback

The water in Flask gained more heat from the water in Basin B and expanded more than the water in Basin A.

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

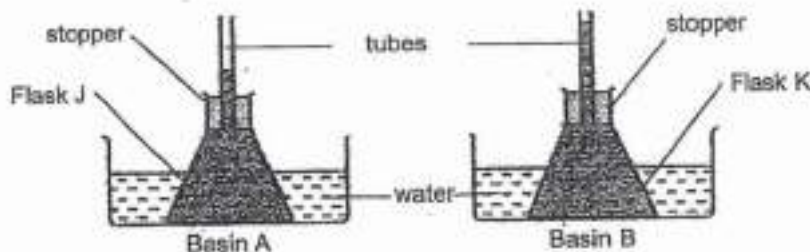
[Remove From Test](#)

## Question 52

Primary 4 Science » Primary 4 Science (Term 4)

0 pts

Megan filled two identical flasks, K and J, with the same amount of similar coloured water. She placed them in two basins, A and B, with water at different temperatures as shown below. She observed that the water levels in both tubes rose.



Before the start of the experiment, Megan measured the mass of Flask K and its contents. Immediately after she saw the water level rise, the mass was recorded again.

Compare the mass of Flask K and its contents before and immediately after the experiment. (1 mark)

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

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

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**Question Type:** Essay  
**Date Added:** Tue 29th Jun 2021  
**Last Modified:** N/A  
**QID#:** 28,247,435

**Correctly answered feedback**

The mass of flask K and its contents before and immediately after the experiment will be the same.

**Incorrectly answered feedback**

The mass of flask K and its contents before and immediately after the experiment will be the same.

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

[Remove From Test](#)