

Tests Edit Test







Groups Links

🗎 Primary 6 Science (Prelim) - Nanyang (Y0) 🗸



Test Introduction

+ Add Introduction

62 Questions (61 Points) Question Bank: 12,655 Questions

Test Questions

0 Test Assignments

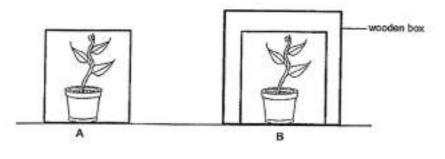
Question 1

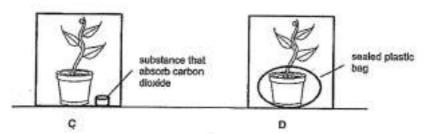
Primary 6 Science » Primary 6 Science (Prelim)

2 pts

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

June wanted to find out how the presence of carbon dioxide affects the rate of photosynthesis, She placed four identical pots of plants in the garden under bright sunlight as shown in the diagram below.





Which set-ups should June use to conduct her experiment?

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

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

Randomize Answers: No

Tue 12th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,304,919



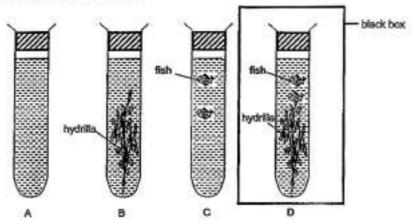


Question 2

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Jane carried out an experiment using some fishes and hydritia plants. A stopper was placed at the opening of each test tube



Jame then placed 5 ml of solution X into each test tube. The colour of solution X changes in the presence of different amounts of carbon dicode as shown below.

Increasing amount of carbon dioxide purple

All the set-ups were left in the sun for 3 hours while set-up D was placed in a black hox for the same duration. At the start of the experiment, the colour of solution X in each test tube

Which of the following shows the most likely results in each tube after 3 hours?

A. Colour of solution X after 3 hours

Α	В	С	D
red	yellow	purple	red

В. В С D purple purple yellow red

✓ C. red purple yellow yellow

С Α В D yellow yellow purple purple

Randomize Answers: No

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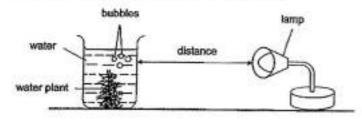
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Question 3

Primary 6 Science » Primary 6 Science (Prelim)

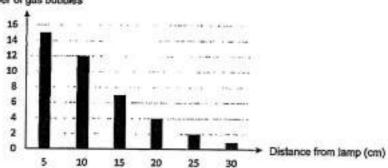
2 pts

Kandis set up an experiment as shown in the diagram below.



The graph below shows his results.

Number of gas bubbles



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

- A. The higher the rate of photosynthesis, the lower the intensity of light.
- The higher the rate of photosynthesis, the higher the intensity of light.
- The higher the intensity of light, the lower the rate of photosynthesis.
- ✓ D. The higher the intensity of light, the higher the rate of photosynthesis.

Question Type: Multiple Choice

Randomize Answers: No

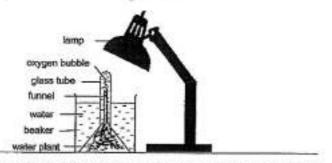
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Question 4

Primary 6 Science » Primary 6 Science (Prelim)

Linda set up an experiment as shown in the diagram below.

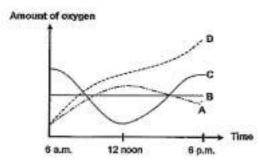


She counted the number of oxygen bubbles produced by the water plant per minute with varying lovels of light intensity and her results are shown in table below.

Intensity of light (units)	Number of oxygen bubbles produced
0	0
50	12
100	26
160	40
200	55

The above setup without the lamp was then placed in an open field on a clear day.

Based on the above experiment, which one of the following graphs, A, B, C or D, would represent the amount of oxygen produced from 6.00 a.m. to 6.00 p.m.?



- ✓ A.
 - **B**. B
 - **C**. C
 - **D**. D

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

 Last Modified:
 N/A

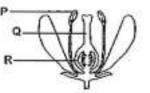
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Remove From Test

Question 5

Primary 6 Science » Primary 6 Science (Prelim)

Figures 1 and 2 below show the reproductive parts of a flowering plant and a female human respectively.





Which two reproductive parts have similar functions?

- A. Pand S
- B. Q and T
- C. Q and S
- ✓ D. R and T

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

Last Modified: N/A QID#: 29,305,016



Answers | A Edit | A Duplicate | ✓ Used In | Reorder

Question 6

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

The diagram below shows human reproductive cells, X and Y, undergoing a process during human reproduction.



Which one of the following statements is incorrect?

- A. The above process takes place before the baby develops.
- B. The human reproduction cells above are undergoing fertilisation.
- **C.** Cell X is produced in the testes while Cell Y is produced in the ovaries.
- ✓ D. Cell X is a female reproductive cell and Cell Y is a male reproductive cell.

Question Type: Multiple Choice

Randomize Answers: No

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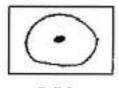


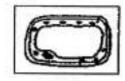


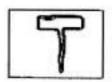
Question 7

Primary 6 Science » Primary 6 Science (Prelim)

The diagram below shows Cells A, B and C.







Cell A

Cell B

Cell C

Which one of the following statements best describes Calls A, B and C?

- A. All the cells above have a cell wall.
- B. All the cells above can make their own food.
- ✓ C. All the cells above are taken from at least two different organisms.
 - D. All the cells above are taken from different parts of the same organism.

Multiple Choice Question Type:

Randomize Answers: No

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Last Modified: N/A QID#: 29,305,051



Question 8

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Study the table below.

A tick (</) indicates the presence of certain parts in Cells P, Q and R.

Parts	Cell P	Cell Q	Cell R
cell wall		7	1
chloroplast		/	
nucleus	-	-	1

Where are Cells P, Q and R likely to be found?

- Cell P Cell Q Cell R cheek root leaf
- **✓** B. Cell Q Cell P Cell R cheek leaf root
 - C. Cell P Cell Q Cell R root cheek leaf
 - D. Cell Q Cell P Cell R cheek

Randomize Answers: No

Tue 12th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,305,065

Answers |

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Used In |

Reorder

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Question 9

Jaime studied three animals, X, Y and Z, and recorded her observations in the table below.

Observations	Animal X	Animal Y	Animal Z
Lays eggs	7	-	-
Has three body parts	/	1	
Young resembles adult		7	

Which of the following could be animals X, Y and Z?

- A. Х Z cockroach butterfly frog
- B. Χ Z mosquito chicken butterfly
- C. X Z butterfly chicken mosquito
- ✓ D. Х Z butterfly cockroach frog

Question Type: Multiple Choice

Randomize Answers: No

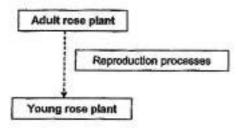
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Question 10

Primary 6 Science » Primary 6 Science (Prelim)

The diagram below shows the different reproduction processes that the adult rose plant goes through.



Which of the following correctly state the reproduction processes that the adult rose plant goes through?

- A. fertilisation ---> pollination ---> seed dispersal ---> germination
- ✓ B. pollination ---> fertilisation ---> seed dispersal ---> germination
 - C. fertilisation ---> pollination ---> germination ---> seed dispersal
 - D. pollination ---> seed dispersal ---> germination ---> seed dispersal

Question Type: Multiple Choice

Randomize Answers: No

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Question 11

Answers |

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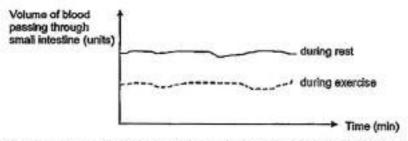
Reorder

Remove From Test

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

The graph below shows the volume of blood passing through the small intestine during rest and during exercise over a period of time.



Based on the graph above, how does exercising after a meal affect the absorption of digested food in the small intestine?

- ✓ A. Less blood flows to the small intestine so there is less absorption.
 - **B.** More blood flows to the small intestine so there is less absorption.
 - C. Less blood flows to the small intestine so there is more absorption.
 - D. More blood flows to the small intestine so there is more absorption.

Question Type: Multiple Choice

Randomize Answers: No

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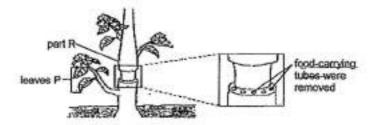
🎤 Answers | 🖋 Edit | 省 Duplicate | 🔰 Used In | 💠 Reorder

Question 12

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Mr Mohammad removed the outer ring of the stem of a plant in a garden as shown in the diagram below. He continued to water the plant daily.



Which of the following would be the most likely observation(s) of the plant after several weeks?

- Leaves P died,
- B Part R swalled.
- The whole plant died.
- A. A only
- ✓ B. B only
 - C. A and B only
 - D. A, B and C

Question Type: Multiple Choice

Randomize Answers: No

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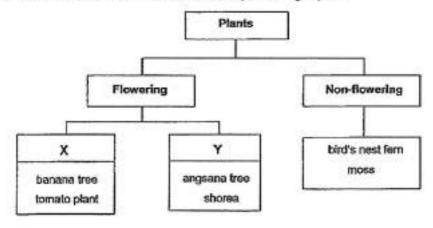


Question 13

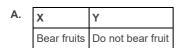
Primary 6 Science » Primary 6 Science (Prelim)

2 pts

The classification chart below shows how some plants are grouped.



Which of the following headings correctly represents X and Y?



B.	Х	Υ	
	Dispersed by water	Dispersed by splitting	

C.	х	Υ	
	Reproduce by seeds	Reproduce by spores	



Randomize Answers: No

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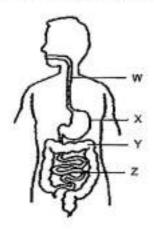
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Question 14

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

The diagram below represents the human digestive system,



Based on the diagram above, which of the following statements about parts W, X, Y and Z are correct?

- Digestion is completed at part Y.

- Digestion of food starts at part Z. Food moves down part W into part X. Water is absorbed into the body at part Y.
- A. A and B only
- ✓ B. C and D only
 - C. B, C and D only
 - D. A, B, C and D

Randomize Answers: No

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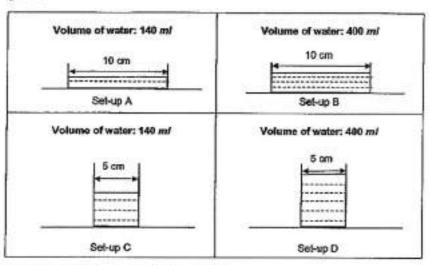
Answers | Fedit | Duplicate | Used In | Reorder

Question 15

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Jacob used different containers and poured different volumes of water at 27 °C into the containers as shown in the table below. He then placed the set-ups, A, B, C and D, in the



Which one of the following statement is correct?

- A. Water in set-up A has the same rate of evaporation as water in set-up C.
- ✓ B. Water in set-up C has the same rate of evaporation as water in set-up D.
 - C. Water in set-up A has a greater rate of evaporation than water in set-up B.
 - D. Water in set-up D has a greater rate of evaporation than water in set-up B.

Question Type:

Multiple Choice

Randomize Answers: No

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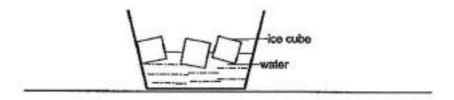
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✓ Answers | Ø Edit | 🖒 Duplicate | 🗸 Used In | 💠 Reorder

Question 16

Primary 6 Science » Primary 6 Science (Prelim)

A bowl of ice was placed in a room at 27°C,



Mary observed the cup after 5 hours. Which one of the following is correct?

A.	Observation	Explanation
	The ice cubes melted.	The ice cube lose heat to the water.

B.	Observation	Explanation	
	The ice cubes did not melt.	The ice cube lose heat to the room.	

✓ C.	Observation	Explanation	
	The ice cubes melted.	The ice cube gained heat from the room.	

D. O	Observation	Explanation	
	The ice cubes did not melt.	The ice cube gained heat from the water.	

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

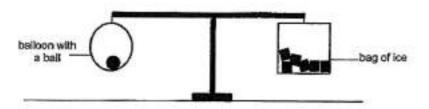
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Question 17

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Sally placed an inflated balloon with a ball in it and a bag of ice on a beam balance under the hot sun. The set up was balanced at the start of the experiment.



She recorded her observation after 3 hours.

Which of the following statement(s) is/are possible observation(s) after 3 hours?

- AB The balloon expanded
- The set-up remained balanced.
- CD The side of the beam balance with the balloon moved downwards.
- The side of the beam balance with the bag of ice moved downwards.

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

Randomize Answers: No

Date Added: Tue 12th Oct 2021

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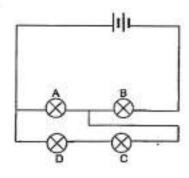
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Question 18

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Study the circuit below.



After one of the builts had blown, all the other bulbs did not light up. Which bulb had blown?

- **A**. A
- **✓ B**. B
 - **C**. C
 - D. D

Question Type:

Multiple Choice

Randomize Answers: No Date Added: Tue

Tue 12th Oct 2021

Last Modified:

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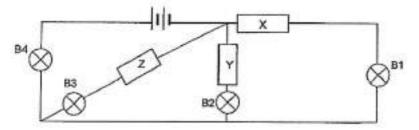
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Question 19

Primary 6 Science » Primary 6 Science (Prelim)

Tom placed different materials, P, Q, R and S, randomly in positions X, Y and Z as shown



He then recorded his observations in the table below.

Position X	Position Y	Position Z	Bulbs that lit up
P	Q	R	B2 and B4 only
Q	R	S	B1, B3 and B4 only

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

A.	Р	Q	R	S
	copper	plastic	iron	wood

B.	Р	Q	R	S
	copper	iron	wood	plastic

C.	Р	Q	R	S
	wood	plastic	copper	iron



Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

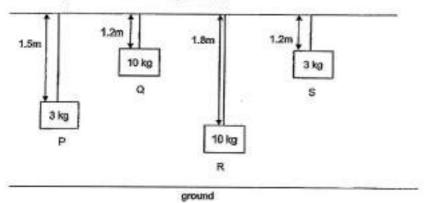
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✓ Answers | ✓ Edit | 🗗 Duplicate | 🗸 Used In | 🗢 Reorder

Question 20

Primary 6 Science » Primary 6 Science (Prelim)

Four objects of different mass, P, Q, R and S, are hung above the ground using strings of different lengths as shown in the diagram below.



Which object has the most potential energy?

- A.
- ✓ B. Q
 - C. R
 - D. S

Multiple Choice Question Type:

Randomize Answers: No

Date Added: Tue 12th Oct 2021

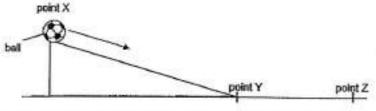
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Question 21

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

A bell at point X was released and it rolled down the ramp past point Y and came to a stop at point Z.



Which of the following statements are correct based on the above set-up?

- The ball has the most kinetic energy at Y. The ball has less potential energy at Z than at Y. B
- C
- The ball has the most potential energy at X before it was released. The ball has less kinetic energy at Z than at X before it was released.
- A. B only
- B. B and D only
- C. A and C only
 - D. A, C and D only

Randomize Answers: No

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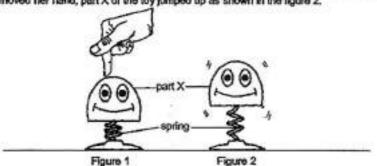
Last Modified: N/A 29,305,274 QID#:

Question 22

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Joyce pushed a toy, which was attached to a spring, as shown in figure 1. When she removed her hand, part X of the toy jumped up as shown in the figure 2.



Which of the following shows the correct main energy conversions?

Joyce pushing the toy

Compressed spring

Part X jumped up

A. Joyce pushing the toy Compressed spring Part X jumped up

-----> potential energy -----> kinetic energy

- B. heat energy -----> kinetic energy ----> kinetic energy + heat energy
- kinetic energy -----> kinetic energy ----> potential energy
- kinetic energy -----> potential energy -----> kinetic energy + potential energy

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

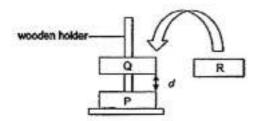
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Question 23

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

Emest placed two similar ring magnets, P and Q, into a wooden holder as shown below. He observed a distance, d, between the two magnets. Then he added a metal ring, R, into the holder above magnet Q.



Which of the following explains correctly the possible observations he could make about distance, a?

A.	Observation of d	Explanation	
	increases	Magnet Q repels ring R	

B.	Observation of d	Explanation	
	decreases	Magnet P repels ring R	

✓ C.	Observation of d	Explanation
	decreases	Ring R adds weight to Magnet Q

D.	Observation of d	Explanation	
	remains the same	Magnet Q attracts ring R	

Randomize Answers: No

Date Added: Tue 12th Oct 2021

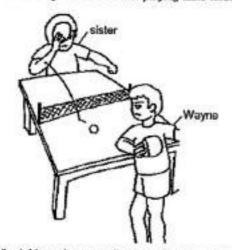
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Question 24

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

The diagram below shows Wayne and his sister playing table-tennis.



The ball bounced on the table and was moving towards Wayne. He hit it with the bat.

Based on the diagram above, which of the following statements are correct?

- When Wayne hits the ball, it will totally stop moving.

 Wayne has to exert a push force on the ball to hit it back to his sister.

 The ball exerted a push force on the table to bounce towards Wayne. В
- C
- The ball will continue to move at the same speed when Wayne hits it harder than his sister.
- A. A and B only
- ✓ B. B and C only
 - C. A, C and D only
 - D. B, C and D only

Randomize Answers: No

Date Added: Tue 12th Oct 2021

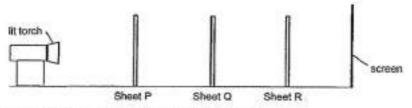
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Question 25

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

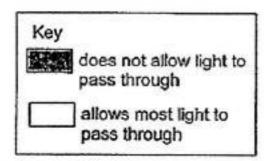
The set-up below shows light shining on three sheets, P, Q and R, made of different materials, in a dark room. Only one sheet allowed most light to pass through. Each sheet has a hole of the same height cut out in a different shape.

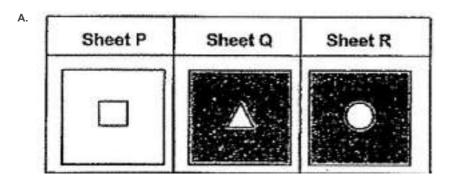


The diagram below shows the shadow seen on the screen.



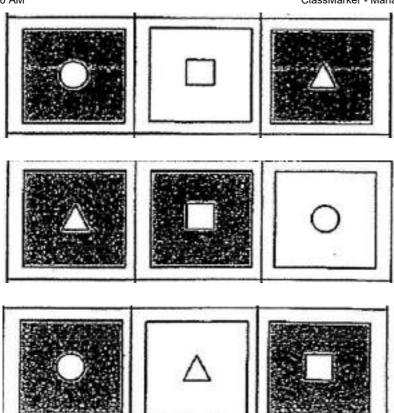
Which of the following arrangements will enable the shadow above to be seen on the screen?





✓ B.

D.



Question Type: Multiple Choice

Randomize Answers: No

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Last Modified: N/A QID#: 29,305,525

✓ Answers | Ø Edit | 🖰 Duplicate | 🗸 Used In | 🕏 Reorder

Question 26

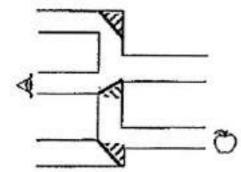
Primary 6 Science » Primary 6 Science (Prelim)

2 pts

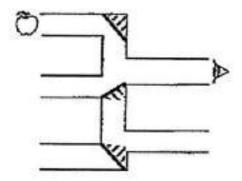
Ramesh placed 3 mirrors in a set of connected pipes. He looked through different pipe openings to find out if he could see the apple on the opposite side using the mirrors.

In which of the following set-ups will be able to see the apple?

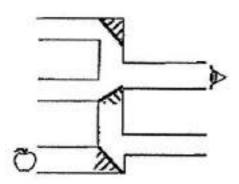




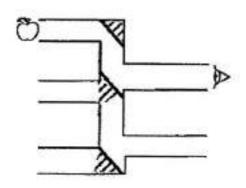
В.



C.



✓ D.



Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

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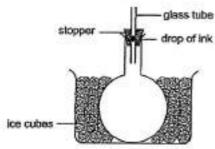


Question 27

Primary 6 Science » Primary 6 Science (Prelim)

Billy placed an empty round-bottom flask into a basin of ice cubes as shown in the diagram below. The flask was fitted with a stopper where a glass tube was inserted. He added a drop of ink into the glass tube.

After 20 minutes, he observed that the drop of ink had moved down the glass tube.



Which one of the following explains his observation?

A.	Air in the flask	Ice Cubes
	gained heat and expanded	gained heat

B.	Air in the flask	Ice Cubes
	gained heat and expanded	lost heat

✓ C.	Air in the flask	Ice Cubes
	lost heat and contracted	gained heat

D.	Air in the flask	Ice Cubes	
	lost heat and contracted	lost heat	

Question Type: Multiple Choice

Randomize Answers: No

Date Added: Tue 12th Oct 2021

Last Modified: N/A QID#: 29,305,561





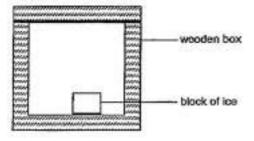


Question 28

Primary 6 Science » Primary 6 Science (Prelim)

2 pts

A block of ice was placed in a wooden box as shown in the diagram below.



Which one of the following statements best explains why the block of ice melted slowly?

A. The wooden box is a good conductor of heat.

- B. The air in the wooden box conducted heat away from the ice quickly.
- C. The heat in the wooden box could not escape tot eh surrounding air outside the box.
- ✓ D. The wooden box slowed down heat gain by the ice from the surrounding air outside the

Randomize Answers: No

Date Added: Tue 12th Oct 2021

Last Modified: N/A QID#: 29,305,578

Question 29

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Xinyi setup her new aquarium next to the windowin her bedroom as shown in Figure 1

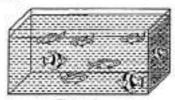




Figure 1

Her mother observed that the fish remained at the surface of the water most of the time and suggested that Xinyi put some water plants, as shown in Figure 2, into the aquarium.

Describe the process of photosynthesis carried out in green plants. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,289

Correctly answered feedback

Chlorophyll in green plants trap light, together with carbon dioxide and water, make food and produce oxygen.

Incorrectly answered feedback

Chlorophyll in green plants trap light, together with carbon dioxide and water, make food and produce oxygen.

Question 30

Primary 6 Science » Primary 6 Science (Prelim)

Xinyi setup her new aquarium next to the windowtin her bedroom as shown in Figure 1 below.

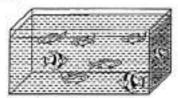




Figure 1

Figure 2

Her mother observed that the fish remained at the surface of the water most of the time and suggested that Xinyi put some water plants, as shown in Figure 2, into the aquarium.

Other than being a source of food and shelter, explain how her mother's suggestion would help the fish in the aquarium survive better. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,298

Correctly answered feedback

Water plants released oxygen which is taken in by the fish.

Incorrectly answered feedback

Water plants released oxygen which is taken in by the fish.

🚜 Answers | 🕜 Edit | 🙆 Duplicate | 🔰 Used In | 🗢 Reorder

Remove From Test

Question 31

Primary 6 Science » Primary 6 Science (Prelim)

Xinyi setup her new aquarium next to the windowlin her bedroom as shown in Figure 1 below.

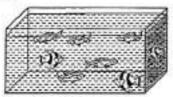


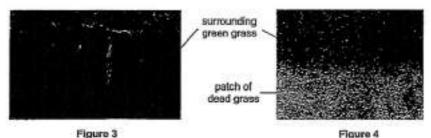
Figure 1



Figure 2

Her mother observed that the fish remained at the surface of the water most of the time and suggested that Xinyi put some water plants, as shown in Figure 2, into the aquarium.

Figure 3 below shows a tent pitched on a field. After a week, the tent was removed. It was observed that the grass growing in the area, where the tent had been pitched, had turned brown and died as shown in Figure 4.



. Acquirit e construir construir

Explain why the grass under the tent died.

[7]

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,306

Correctly answered feedback

The tent blocked light from reaching the grass so the grass cannot photosynthesize / make food.

Incorrectly answered feedback

The tent blocked light from reaching the grass so the grass cannot photosynthesize / make food.

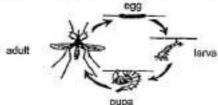


Answers | Ø Edit | ❷ Duplicate | ✔ Used In | ♦ Reorder

Remove From Test

Primary 6 Science » Primary 6 Science (Prelim)

The diagram below shows the life cycle of mosquito X, which spreads a virus that causes liness P.



Some scientists kept these mosquitoes at different temperatures and recorded the duration of each stage of their life cycle. The results are shown in the table below.

	Duration of stage at different temperatures (days)			
	28°C	29°C	30°C	31°C
Egg	3	2	2	2
Larva	8	7	6	5
Pupa	2	2	2	1

State the effect of temperature on the length of the life cycle of mosquito X. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,315

Correctly answered feedback

As the temperature increases, the length of the life cycle of mosquito X decreases.

Incorrectly answered feedback

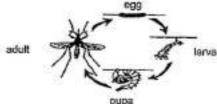
As the temperature increases, the length of the life cycle of mosquito X decreases.

Answers | A Edit | ☐ Duplicate | ✓ Used In | ♦ Reorder Remove From Test

Question 33

Primary 6 Science » Primary 6 Science (Prelim)

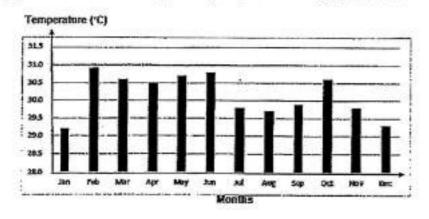
The diagram below shows the life cycle of mosquito X, which spreads a virus that causes liness P.



Some scientists kept these mosquitoes at different temperatures and recorded the duration of each stage of their life cycle. The results are shown in the table below.

	Duration of stage at different temperatures (days)			
	28°C	29°C	30°C	31°C
Egg	3	2	2	2
Larva	8	7	6	5
Pupa	2	2	2	1

The graph below shows the average monthly temperature in Singapore in 2019.



Based on the information above, would there be more cases of illness P between January and June or between July and December? 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: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,334

Correctly answered feedback

Between January and June, the average monthly temperature is higher. Mosquito X's life cycle is shorter hence there are more mosquitoes to spread illness P.

Incorrectly answered feedback

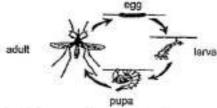
Between January and June, the average monthly temperature is higher. Mosquito X's life cycle is shorter hence there are more mosquitoes to spread illness P.

Answers | Fedit | P Duplicate | ✓ Used In | Reporder Remove From Test

Question 34

Primary 6 Science » Primary 6 Science (Prelim)

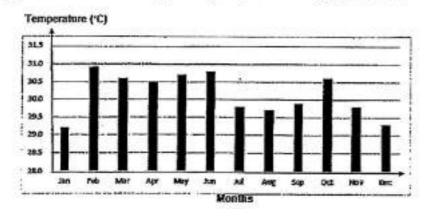
The diagram below shows the life cycle of mosquito X, which spreads a virus that causes illness P.



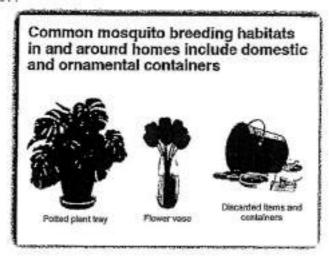
Some scientists kept these mosquitoes at different temperatures and recorded the duration of each stage of their life cycle. The results are shown in the table below.

	Duration of stage at different temperatures (days)				
	28°C	29°C	30°C	31°C	
Egg	3	2	2	2	
Larva	8	7	6	5	
Pupa	2	2	2	1	

The graph below shows the average monthly temperature in Singapore in 2019.



The diagram below shows part of a poster displayed in a neighbourhood with a high number of cases of illness P.



Based only on the objects shown above suggestions way residents in the neighbourhood can play a part in reducing the breeding of mosquitoes.

[1]

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,346

Correctly answered feedback

Pour away water in the flowerpot plate. / Change the water in the flower vase regularly. / Check for stagnant water in discarded items.

Incorrectly answered feedback

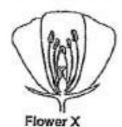
Pour away water in the flowerpot plate. / Change the water in the flower vase regularly. / Check for stagnant water in discarded items.

Question 35

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The diagrams below show flowers X and Y.





Which flower, X or Y, is most likely pollinated by wind? Give a reason for your answer. (1 mark)

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

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

Question Type: Essay

Thu 14th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,328,359

Correctly answered feedback

Flower Y. The anther and stigma are sticking out of the flower.

Incorrectly answered feedback

Flower Y. The anther and stigma are sticking out of the flower.

Question 36

Primary 6 Science » Primary 6 Science (Prelim)

The diagram below shows fruit Z that Lucas found at the beach



Explain based on the characteristics of fruit Z how it can be dispersed by water. (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

Thu 14th Oct 2021 Date Added:

Last Modified: 29,328,372 QID#:

Correctly answered feedback

It has fibrous husk which traps air and allows it to float on water. / It has waterproof outer covering which does not absorb water and allows it to float on water.

Incorrectly answered feedback

It has fibrous husk which traps air and allows it to float on water. / It has waterproof outer covering which does not absorb water and allows it to float on water.



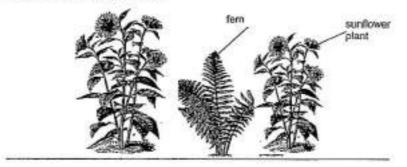
🎤 Answers 📗 🌶 Edit 📗 🔁 Duplicate 📗 🔰 Used In 📗 🛊 Reorder

Question 37

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Lucas removed all the plants in his garden. He then planted two rows of sunflower plants only, in his garden. After three weeks, he noticed that there were ferns growing near his sunflower plants as shown in the diagram below.



Explain how the ferns started growing in his garden. (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

Thu 14th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,328,378

Correctly answered feedback

The spores of the fern are dispersed by wind/animal.

Incorrectly answered feedback

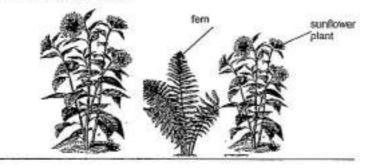
The spores of the fern are dispersed by wind/animal.

Question 38

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Luces removed all the plants in his garden. He then planted two rows of sunflower plants only, in his garden. After three weeks, he noticed that there were ferns growing near his sunflower plants as shown in the diagram below.



Why is it important for Lucas to remove the ferns. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,390

Correctly answered feedback

To reduce overcrowding / competition for water, minerals, space and light.

Incorrectly answered feedback

To reduce overcrowding / competition for water, minerals, space and light.

Answers |

Edit | □ Duplicate |

Used In |

Reorder

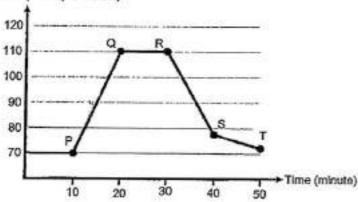
Question 39

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

The graph below shows the changes in Samuel's heart rate before, during and after exercising. He only exercised for 20 minutes.





At which point, P, Q, R, S or T, did Samuel start exercising?

Point _

Accepted answers:

✓ Point P

Question Type: Free Text

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29.328.398

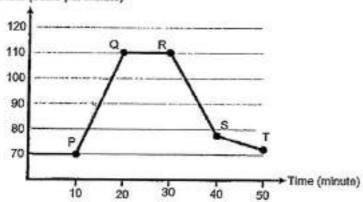
Question 40

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

The graph below shows the changes in Samuel's heart rate before, during and after exercising. He only exercised for 20 minutes.

Heart rate (beats per minute)



State how his heart rate changed when he exercised. Explain why? (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,410

Correctly answered feedback

His heart rate will increase. His heart will pump blood faster to provide more oxygen and more digested food to all parts of his body.

Incorrectly answered feedback

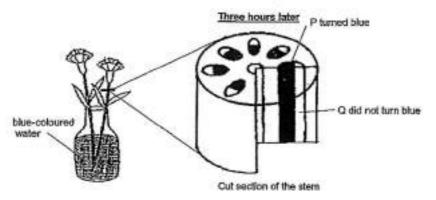
His heart rate will increase. His heart will pump blood faster to provide more oxygen and more digested food to all parts of his body.

Question 41

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Two while flowers were placed in blue-coloured water for three hours. After three hours, the white flowers turned blue. The stem was cut and it was noticed that part P turned blue while part Q did not, as shown in the diagram below.



Identify part P.

Accepted answers:

- water-carrying tubes
- water carrying tubes

Question Type: Free Text

Date Added: Thu 14th Oct 2021

Last Modified: QID#: 29,328,672

Answers |

Edit | □ Duplicate |

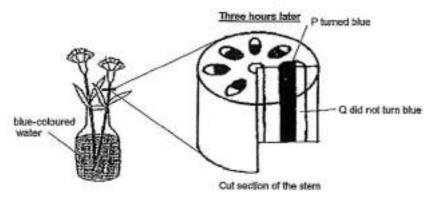
Used In |

Reorder

Question 42

Primary 6 Science » Primary 6 Science (Prelim)

Two white flowers were placed in blue-coloured water for three hours. After three hours, the white flowers turned blue. The stem was cut and it was noticed that part P turned blue white part Q did not, as shown in the diagram below.



Explain how the white flowers turned blue. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,682

Correctly answered feedback

The water-carrying tubes transported the blue-coloured water to the flowers.

Incorrectly answered feedback

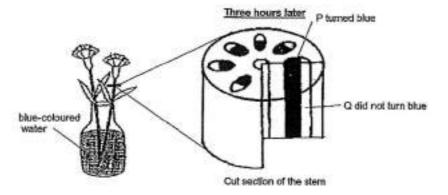
The water-carrying tubes transported the blue-coloured water to the flowers.

Question 43

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Two white flowers were placed in blue-coloured water for three hours. After three hours, the white flowers turned blue. The stem was out and it was noticed that part P turned blue white part Q did not, as shown in the diagram below.



What substance did part Q transport?

Accepted answers:

✓ Food

Question Type: Free Text Date Added: Thu 14th Oct 2021

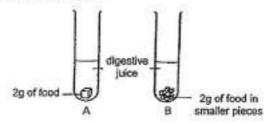
Last Modified: N/A QID#: 29,328,687

Question 44

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Jie Rui poured an equal amount of digestive juice into 2 test tubes, A and B. She added 2g of food to each test tube. The food that was added to test tube B was out into(smaller pieces) as shown in the diagram below.



After 2 hours, she removed the undigested food pieces left, dried them and weighed them. She recorded the results and repeated the experiment for another two times as shown in the table below.

- 0.55	Mass of food left after 2 hours (g) of man			
Test tube	1 ²⁵ try	2 ^{cd} try	3 rd try	
A	1.9	1.8	1.9	
В	0.7	0.7	0.9	

What was the aim of Jie Rui's experiment? (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A

29,328,701 QID#:

Correctly answered feedback

To find out how the exposed surface area of food in contact with the digestive juice affects the rate of digestion.

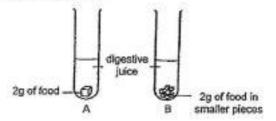
Incorrectly answered feedback

To find out how the exposed surface area of food in contact with the digestive juice affects the rate of digestion.

Question 45

Primary 6 Science » Primary 6 Science (Prelim)

Jie Rui poured an equal amount of digestive juice into 2 test tubes, A and B. She added 2g of food to each test tube. The food that was added to test tube B was out into(smaller pieces) as shown in the diagram below.



After 2 hours, she removed the undigested food pieces left, dried them and weighed them. She recorded the results and repeated the experiment for another two times as shown in the table below.

3 0.55	Mass of food left after 2 hours (g) of mail			
Test tube	1 st try	2 ^{cd} try	3 rd try	
A	1.9	1.8	1.9	
В	0.7	0.7	0.9	

Give a reason why it was important for the food pieces to be dried before weighing them. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,710

Correctly answered feedback

To ensure that she is measuring only the mass of the food without the digestive juice.

Incorrectly answered feedback

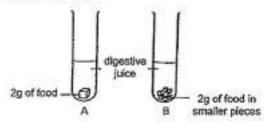
To ensure that she is measuring only the mass of the food without the digestive juice.

Remove From Test

Question 46

Primary 6 Science » Primary 6 Science (Prelim)

Jie Rul poured an equal amount of digestive juice into 2 test tubes, A and B. She added 2g of food to each test tube. The food that was added to test tube B was out into (smaller pieces) as shown in the diagram below.



After 2 hours she removed the undigested food pieces left, dried them and weighed them. She recorded the results and repeated the experiment for another two times as shown in the table below.

	Mass of food left after 2 hours (g) of mail			
Test tube	1 ²⁵ try	2 ^{cd} try	3 rd try	
A	1.9	1.8	1.9	
В	0.7	0.7	0.9	

Based on the result of her experiment, explain why chewing is an important process that helps digestion. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,720

Correctly answered feedback

Chewing breaks up food into smaller pieces for faster digestion.

Incorrectly answered feedback

Chewing breaks up food into smaller pieces for faster digestion.

Answers |

Edit |

Duplicate |

Used In |

Question 47

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Selina bought a cup of hot coffee. Some mist was seen when she took the cup to her seat as shown in the diagram below.



Explain how the mist was formed. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,736

Correctly answered feedback

The water in the coffee gained heat and evaporated into water vapour. The warmer water vapour touches the cooler surrounding air, lost heat and condensed into tiny water droplets.

Incorrectly answered feedback

The water in the coffee gained heat and evaporated into water vapour. The warmer water vapour touches the cooler surrounding air, lost heat and condensed into tiny water droplets.







Question 48

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Selina bought a cup of hot coffee. Some mist was seen when she took the cup to her seat as shown in the diagram below.



Explain why the mist disappeared after a short 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

Thu 14th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,328,746

Correctly answered feedback

The mist gained heat and evaporated to form water vapour.

Incorrectly answered feedback

The mist gained heat and evaporated to form water vapour.



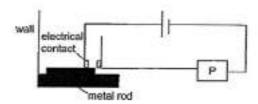




Question 49

Primary 6 Science » Primary 6 Science (Prelim)

Le Yi set up a simple fire alarm system in her restaurant. She used a metal rod, alarm P and some wires as shown below. The metal rod expands easily when heated,



She then tested her alarm system by heating the metal rod to different temperatures. She recorded her results in the table below.

rod [emperature of box (°C)	Alarm P
10	Off
30	Off
80	On

Explain how the system works when the temperature is above 80 C. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,759

Correctly answered feedback

The metal rod will gain heat and expand to touch the electrical contacts, forming a closed circuit.

Incorrectly answered feedback

The metal rod will gain heat and expand to touch the electrical contacts, forming a closed circuit.

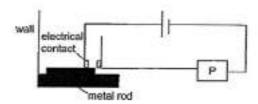
☑ Answers | ❷ Edit | ❷ Duplicate | ◀ Used In | ♦ Reorder

Question 50

Primary 6 Science » Primary 6 Science (Prelim)

[2]

Le Yi set up a simple fire alarm system in her restaurant. She used a metal rod, alarm P and some wires as shown below. The metal rod expands easily when heated.



She then tested her alarm system by heating the metal rod to different temperatures. She recorded her results in the table below.

rod [emperature of box (°C)	Alarm P
10	Off
30	Off
80	On

Le YI then wanted to create a lit up sign board for her restaurant as shown below.

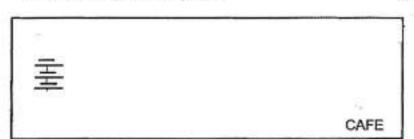


She used one light bulb to light up each letter, 'N', 'Y', 'P' and 'S'.

Her circuit must be able to do the following:

- . If one bulb fused the others would still light up.
- . The entire sign is controlled by a single switch,

Draw the circuit diagram for her sign board.



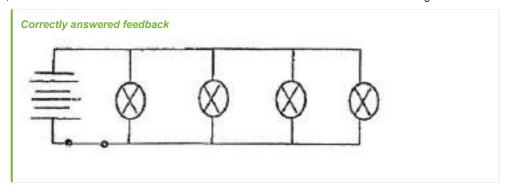
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

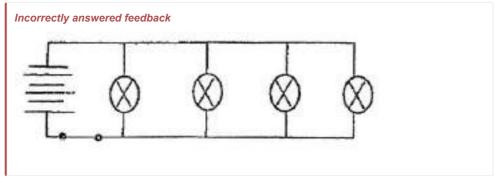
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,772





✓ Answers | ✓ Edit | 🖒 Duplicate | 🗸 Used In | 🗢 Re

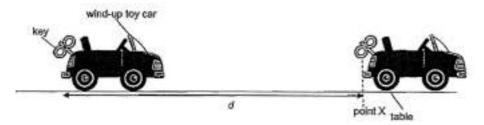
Remove From Test

Question 51

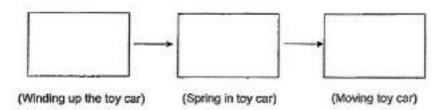
Primary 6 Science » Primary 6 Science (Prelim)

0 pts

All wound up a toy car. Upon releasing it, the toy car moved forward for a short distance before stopping at point X. He measured the distance, d, that the car had moved.



State the main energy conversions starting from All winding up the toy car to the car moving across the floor. [1]



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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,328,779

Correctly answered feedback

Kinetic Energy ----> (Elastic) Potential Energy ----> Kinetic Energy

Incorrectly answered feedback

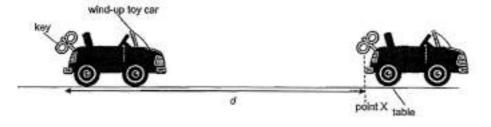
Kinetic Energy ----> (Elastic) Potential Energy ----> Kinetic Energy

Question 52

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

All wound up a toy car. Upon releasing it, the toy car moved forward for a short distance before stopping at point X. He measured the distance, d, that the car had moved.



Ali then applied a layer of oil on the surface of the table.

Explain, in terms of energy why the car moved a longer distance with the layer of oil on the surface of the table. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: QID#: 29,328,799

Correctly answered feedback

With the layer of oil on the table, less kinetic energy is converted to heat/sound energy. There is more kinetic energy to move the car a longer distance.

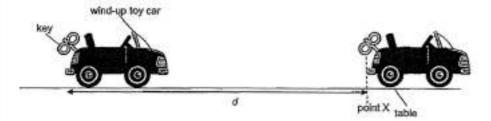
Incorrectly answered feedback

With the layer of oil on the table, less kinetic energy is converted to heat/sound energy. There is more kinetic energy to move the car a longer distance.

Question 53

Primary 6 Science » Primary 6 Science (Prelim)

All wound up a toy car. Upon releasing it, the toy car moved forward for a short distance before stopping at point X. He measured the distance, d, that the car had moved.



All then observed how the number of times he turns the key affected the distance travelled by the toy car. His results are shown in the table below.

Number of turns	Distance travelled by the toy car (cm	
1	4	
2	6	
3	12	
4	16	

What is the relationship between the number of turns of the key and the distance the toy car travelled? (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,825

Correctly answered feedback

As the number of turns of the key increases, the distance the toy car travelled increases.

Incorrectly answered feedback

As the number of turns of the key increases, the distance the toy car travelled increases.

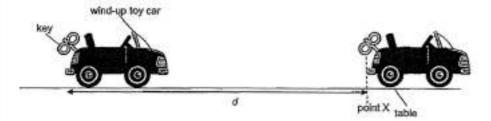
∡* Answers | 🎤 Edit | 省 Duplicate | 🔰 Used In | 🗢 Reorder

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Question 54

Primary 6 Science » Primary 6 Science (Prelim)

All wound up a toy car. Upon releasing it, the toy car moved forward for a short distance before stopping at point X. He measured the distance, d, that the car had moved.



All then observed how the number of times he turns the key affected the distance travelled by the toy car. His results are shown in the table below.

Number of turns	Distance travelled by the toy car (cm	
1	4	
2	6	
3	12	
4	16	

Ali discovered that when he turned the key 5 times, the distance travelled by the toy car was 0 cm. State a reason for his observation. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

 Last Modified:
 N/A

 QID#:
 29,328,838

Correctly answered feedback

The spring in the toy car is damaged so the toy car has no more potential energy.

Incorrectly answered feedback

The spring in the toy car is damaged so the toy car has no more potential energy.

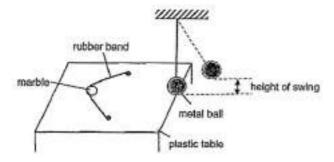
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Question 55

Primary 6 Science » Primary 6 Science (Prelim)

1 pt

Colin conducted an experiment on a plastic table top using the set-up shown in the diagram below.



Colin pulled a <u>rubbar band</u> back with a marble before releasing it. The marble rolled forward and hit the metal ball. The metal ball then swing up. He measured the height of the swing and recorded his results. Then, he added substance X to the table and repeated the experiment, using the same materials.

The second of	Height of swing of metal ball (cm)		
Table	1 st reading	2 rd reading	3 rd reading
Without substance X	3	5	4
With substance X	5	6	6

State the force the stretched rubber band possessed just before it was released. (1 mark)

Accepted answers:

Elastic spring force

Question Type: Free Text

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,328,944

Answers |

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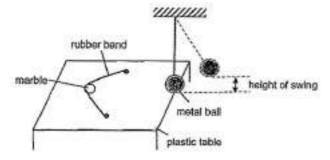
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Question 56

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Colin conducted an experiment on a plastic table top using the set-up shown in the diagram below.



Colin pulled a <u>rubbar_band</u> back with a marble before releasing it. The marble rolled forward and hit the metal ball. The metal ball then swing up. He measured the height of the swing and recorded his results. Then, he added substance X to the table and repeated the experiment, using the same materials.

	Height of swing of metal ball (cm)		
Table	1 st reading	2 rd reading	3 rd reading
Without substance X	3	5	4
With substance X	5	6	- 6

Base on the results explain in terms of forces the effect of substance X on the height of swing of the

metal ball. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A OID#: 29,328,983

Correctly answered feedback

There is less friction between the marble and the table so the ball will roll faster and hit the metal ball with more force. The metal ball will swing higher.

Incorrectly answered feedback

There is less friction between the marble and the table so the ball will roll faster and hit the metal ball with more force. The metal ball will swing higher.

Answers |

Edit | □ Duplicate |

Used In |

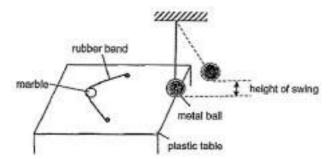
Reorder

Question 57

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Colin conducted an experiment on a plastic table top using the set-up shown in the diagram below.



Colin pulled a rubber band back with a marble before releasing it. The marble rolled forward and hit the metal ball. The metal ball then swing up. He measured the height of the swing and recorded his results. Then, he added substance X to the table and repeated the experiment, using the same materials.

	Height of swing of metal ball (cm)		
Table	1 st reading	2 rd reading	3 rd reading
Without substance X	3	5	4
With substance X	5	6	6

Explain, in terms of forces, why Colin must stretch the rubber band to the same point in order to make it a fair test. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A OID#: 29,329,092

Correctly answered feedback

To ensure that only the presence of substance X is changed and the marble is released with the same amount of force.

Incorrectly answered feedback

To ensure that only the presence of substance X is changed and the marble is released with the same amount of force.

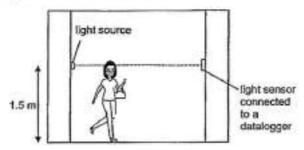
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Question 58

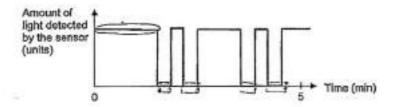
Primary 6 Science » Primary 6 Science (Prelim)

0 pts

A store owner wanted to count the number of people entering his store. He set up a light source and a light sensor at the store entrance as shown below.



The data recorded for 5 minutes is shown in the graph below.



Using the set-up, explain how the store owner could count the number of people entering the store. (1 mark)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A
QID#: 29,329,335

Correctly answered feedback

As the people entered the store, they would block the light source. Hence, the sensor would not detect any light.

Incorrectly answered feedback

As the people entered the store, they would block the light source. Hence, the sensor would not detect any light.

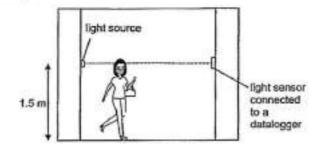
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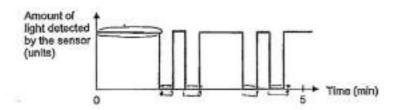
Question 59

Primary 6 Science » Primary 6 Science (Prelim)

A store owner wanted to count the number of people entering his store. He set up a light source and a light sensor at the store entrance as shown below.



The data recorded for 5 minutes is shown in the graph below.



Based on the results above, how many people have entered his store in the 5 minutes?

_ people

Accepted answers:

√ 4

✓ 4 people

Question Type: Free Text Thu 14th Oct 2021 Date Added:

Last Modified: N/A QID#: 29,329,345



Question 60



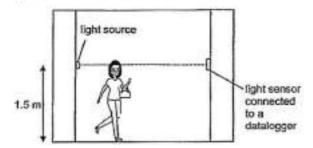




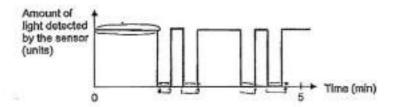


Primary 6 Science » Primary 6 Science (Prelim)

A store owner wanted to count the number of people entering his store. He set up a light source and a light sensor at the store entrance as shown below.



The data recorded for 5 minutes is shown in the graph below.



The store owner realised that his set-up could not count all the people entering the store.

Using the same materials suggest what he should do and explain how this method ensures that every person entering the store can be counted. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

 Last Modified:
 N/A

 QID#:
 29,329,365

Correctly answered feedback

Lower the light source or sensor so the shorter people can still block the light.

Incorrectly answered feedback

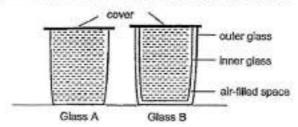
Lower the light source or sensor so the shorter people can still block the light.

Answers | A Edit | Duplicate | ✓ Used In | ♦ Reorder Remo

Question 61

Primary 6 Science » Primary 6 Science (Prelim)

Sally poured an equal volume of water at 90°C into two glasses, A and B. Glass A is singlelayered while glass B is double-layered with an air-filled space in between.



After some time, she measured the temperature of the water in both glasses.

Explain why the water in glass B was hotter than the water in glass A. (2 marks)

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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

Last Modified: N/A QID#: 29,329,379

Correctly answered feedback

Air is a poor conductor of heat so it slows down heat loss from the water to the surroundings.

Incorrectly answered feedback

Air is a poor conductor of heat so it slows down heat loss from the water to the surroundings.

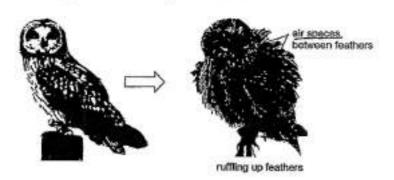
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Question 62

Primary 6 Science » Primary 6 Science (Prelim)

0 pts

Birds maintain a higher body temperature than their surroundings, in colder months, they are observed to ruffle up their feathers to keep themselves warm.



Suggest how ruffling up their feathers help to keep birds warm.



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

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

Question Type: Essay

Date Added: Thu 14th Oct 2021

 Last Modified:
 N/A

 QID#:
 29,329,389

Correctly answered feedback

Air is trapped between feathers. Air is a poor conductor of heat so it slows down heat loss from the bird to the surroundings.

Incorrectly answered feedback

Air is trapped between feathers. Air is a poor conductor of heat so it slows down heat loss from the bird to the surroundings.

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