




 **Primary 5 Science (Term 3) - ACS** 

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Test Questions

0 Test Assignments

Question 1

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

For each question, four options are given. One of them is the correct answer. Choose the correct option (A, B, C or D) below. (11 x 2 marks)

The table below shows some information about three substances, A, B and C. A tick (✓) indicates that the substance has that property.

Properties	Substance		
	A	B	C
Has a definite shape	✓		
Occupies space	✓	✓	✓
Has a definite volume	✓		✓

Which of the following correctly identifies the state of each substance?

A)

Substance A	Substance B	Substance C
liquid	solid	gas

B)

Substance A	Substance B	Substance C
solid	liquid	gas

C)

Substance A	Substance B	Substance C
solid	gas	liquid

D)

Substance A	Substance B	Substance C
gas	solid	liquid

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,589

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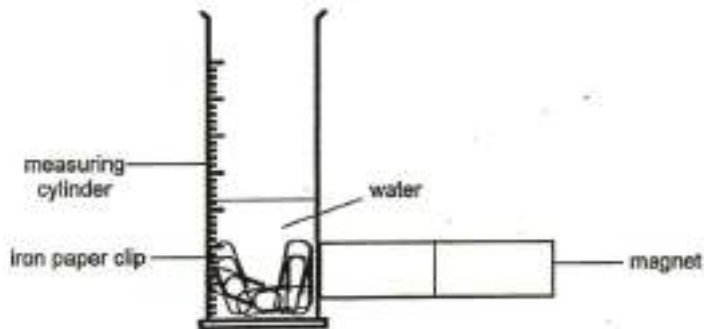
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Question 2

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Nora was given a measuring cylinder with water and iron paper clips. She decided to use a magnet to remove the paper clips. She placed the magnet as shown and slid it up until the paper clips were removed.



What characteristic(s) of a magnet is/are applied in her experiment?

- A: Magnets repel each other.
- B: Magnets attract magnetic materials.
- C: The magnetic force is the strongest at its poles.
- D: Magnetic force can pass through some materials.

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,590

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

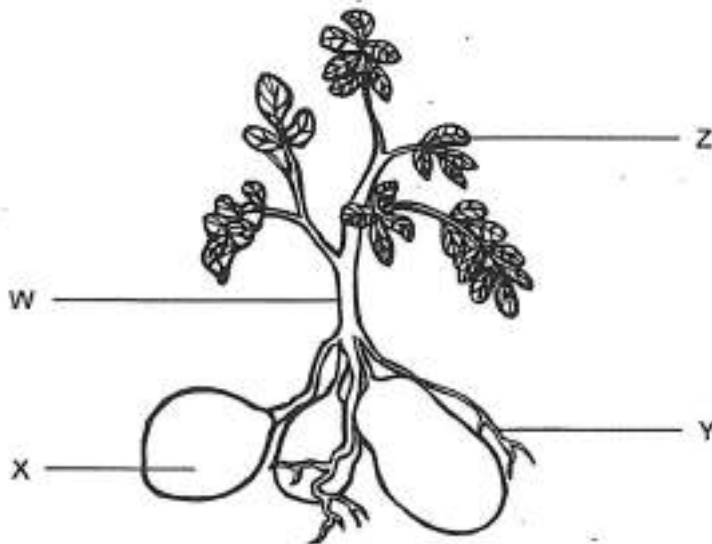
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Question 3

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Maya observed the potato plant shown.



She made some statements about the potato plant.

- A: Z makes food for the plant.
- B: X stores excess food for the plant.
- C: Y absorbs water and mineral salts from the soil
- D: W has tubes that carry only food from one part of the plant to another.

Which of her statements are correct?

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

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,591

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[Remove From Test](#)

Question 4

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

The diagram shows a part of the human respiratory system. X represents air entering the nose and Y represents air leaving the nose.



Which of the following correctly compares X and Y?

✓ A)

X			Y		
Supply of oxygen	Supply of carbon dioxide	Supply of water vapour	Supply of oxygen	Supply of carbon dioxide	Supply of water vapour

rich poor poor poor rich rich

B)

X			Y		
Supply of oxygen	Supply of carbon dioxide	Supply of water vapour	Supply of oxygen	Supply of carbon dioxide	Supply of water vapour

rich poor rich poor rich poor

C)

X			Y		
Supply of oxygen	Supply of carbon dioxide	Supply of water vapour	Supply of oxygen	Supply of carbon dioxide	Supply of water vapour

poor rich rich rich poor poor

D)

X			Y		
Supply of oxygen	Supply of carbon dioxide	Supply of water vapour	Supply of oxygen	Supply of carbon dioxide	Supply of water vapour

poor rich poor rich poor rich

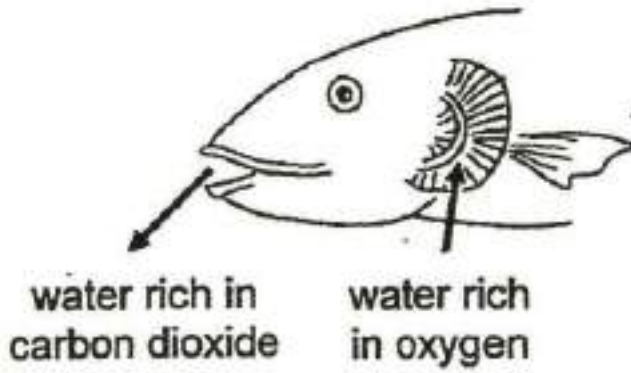
Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 6th Aug 2021
 Last Modified: N/A
 QID#: 28,637,592

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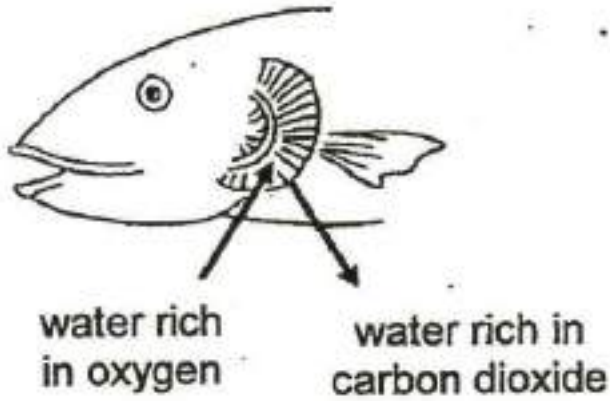
Question 5 Primary 5 Science » Primary 5 Science (Term 3) 2 pts

Which diagram shows how a fish breathes?

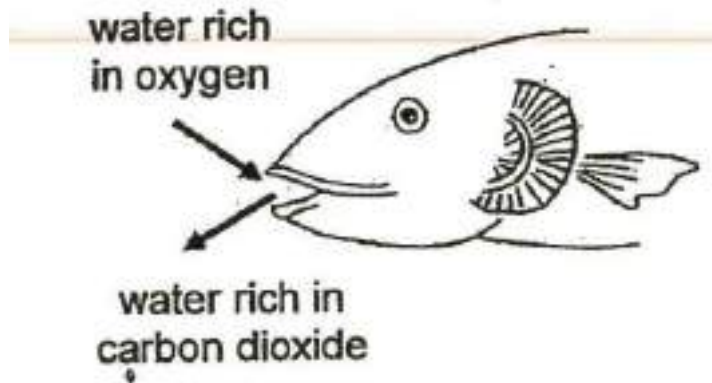
A)



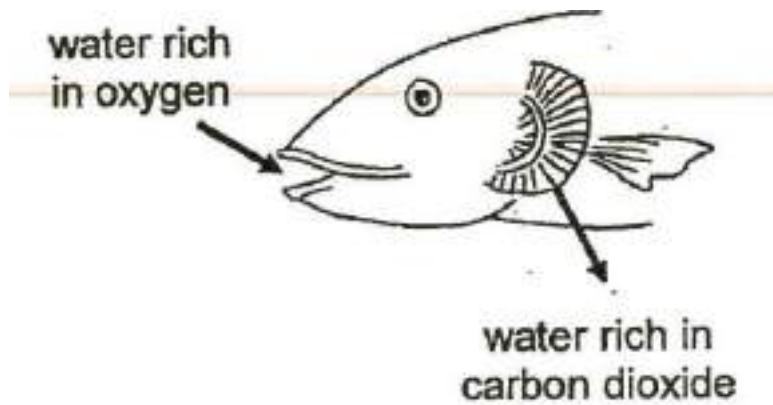
B)



C)



✓ D)



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A

QID#: 28,637,593

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 6**

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Study the table of Cells W, X, Y and Z. A tick (✓) indicates that the cell part is present.

Cell Part	Cell W	Cell X	Cell Y	Cell Z
Cytoplasm	✓	✓	✓	✓
Cell membrane	✓	✓	✓	✓
Cell wall			✓	✓
Nucleus		✓	✓	✓
Chloroplast				✓

The diagram shows an onion.



Which cell most likely represents the root of the onion?

- A) Cell W
- B) Cell X
- ✓ C) Cell Y
- D) Cell Z

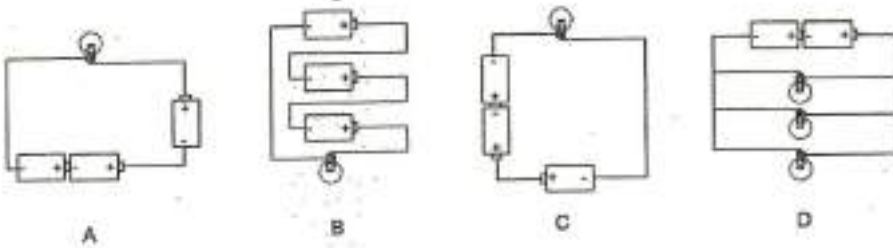
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,594

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 7**

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

The diagrams below show some electrical circuits. Which circuits will produce the most brightly lit bulbs?



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

Question Type: Multiple Choice
 Randomize Answers: No
 Date Added: Fri 6th Aug 2021
 Last Modified: N/A
 QID#: 28,637,595

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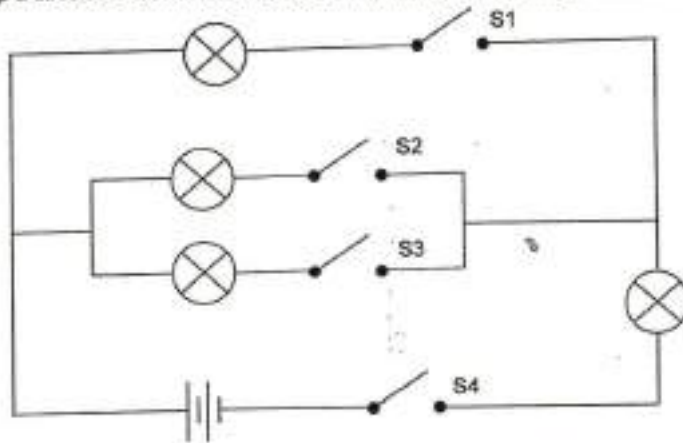
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Question 8

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Shay set up a circuit as shown. All batteries and bulbs were in working condition.



All the bulbs were lit when all the switches were closed. No bulbs lit up when he opened one of the switches.

Which switch did he open?

- A) S1
- B) S2
- C) S3
- ✓ D) S4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,596

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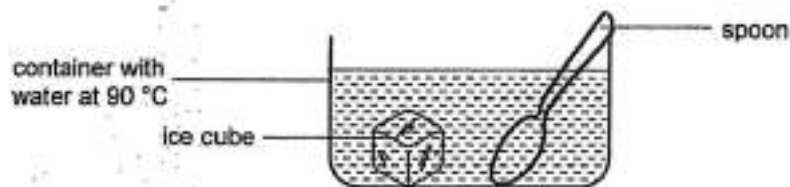
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Question 9

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Mr Seng places a spoon and an ice cube into a container of hot water of 90°C.



Which of the statements below is incorrect?

- A) The water loses heat to the ice cube.
- ✓ B) The ice cube loses heat to the water.
- C) The spoon gains heat from the water.
- D) The spoon loses heat to the surrounding air.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,597

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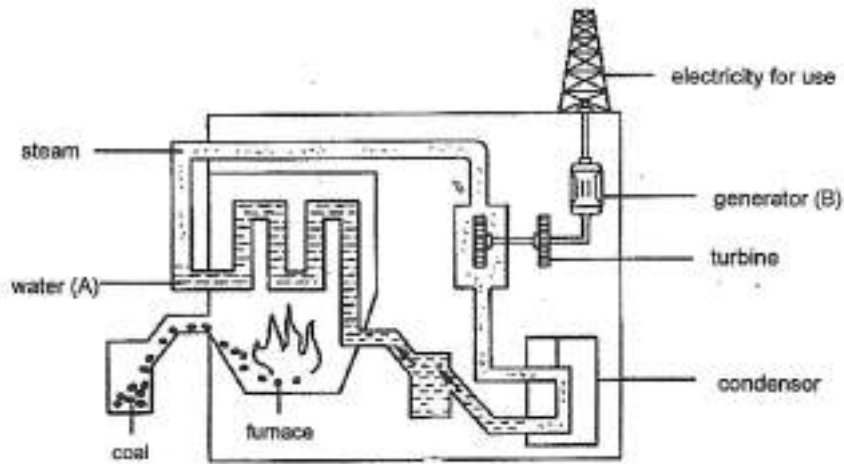
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Question 10

Primary 5 Science » Primary 5 Science (Term 3)

2 pts

The diagram shows the main parts of a power station. Coal is burnt to change water into steam which is then used to turn the turbine.



Which of the following correctly shows the main energy changes from A to B in the diagram?

- A) heat energy --> heat energy --> kinetic energy --> kinetic energy
- B) kinetic energy --> heat energy --> kinetic energy --> electrical energy
- ✓ C) heat energy --> kinetic energy --> kinetic energy --> electrical energy
- D) chemical potential energy --> heat energy --> kinetic energy --> kinetic energy --> electrical energy

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,598

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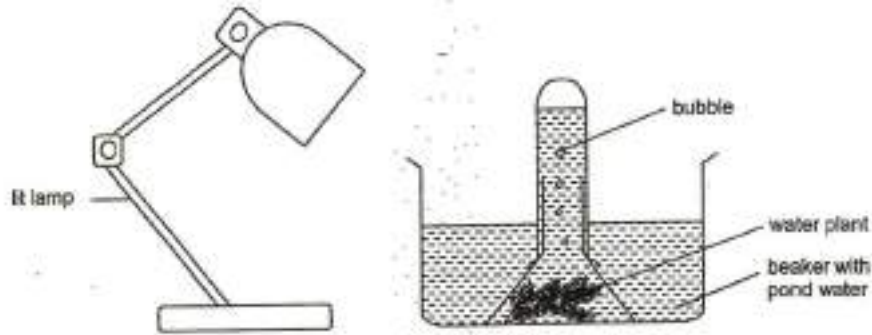
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Question 11

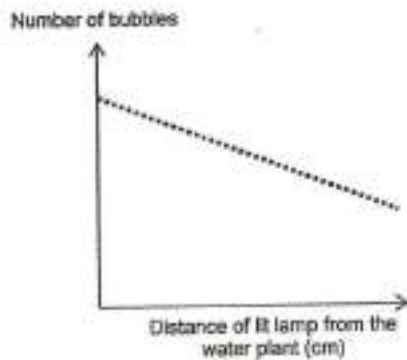
Primary 5 Science » Primary 5 Science (Term 3)

2 pts

Bryan set up an experiment as shown.



He then plotted a graph based on the number of bubbles produced.



Which of the following shows the best relationship between the distance of the lit lamp from the water plant and the rate of photosynthesis based on the graph?

- A) The distance of the lit lamp from the water plant affects the rate of photosynthesis.
- B) The distance of the lit lamp from the water plant has no effect on the rate of photosynthesis.
- ✓ C) As the distance of the lit lamp from the water plant increases, the rate of photosynthesis decreases.
- D) As the distance of the lit lamp from the water plant decreases, the rate of photosynthesis decreases.

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,599

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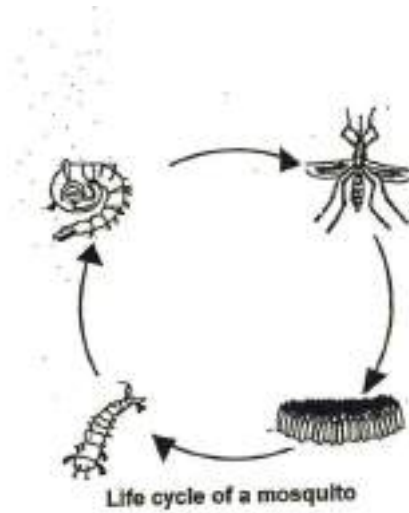
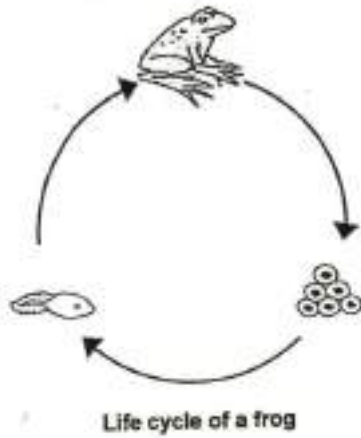
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Question 12

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Compare the two life cycles.



State a similarity and a difference between the two life cycles. (2 marks)

Similarity: _____

Difference: _____

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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,574

Correctly answered feedback

Similarity: Both have an egg stage.

Difference: The frog have a 3 stage life cycle but the mosquito have a 4 stage life cycle.

Incorrectly answered feedback

Similarity: Both have an egg stage.

Difference: The frog have a 3 stage life cycle but the mosquito have a 4 stage life cycle.

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

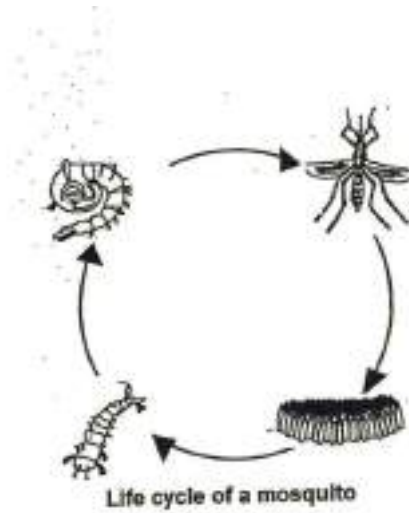
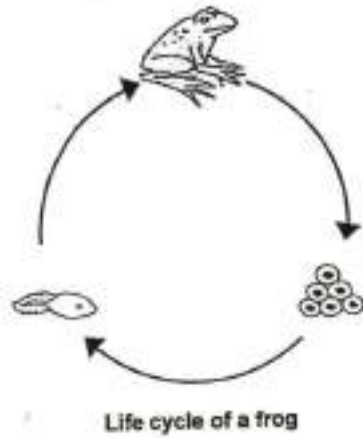
[Remove From Test](#)

Question 13

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Compare the two life cycles.



State the difference in the way the young and the adult frog breathe. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,575

Correctly answered feedback

The young breathes through gills while the adult breathes through lungs and moist skin.

Incorrectly answered feedback

The young breathes through gills while the adult breathes through lungs and moist skin.

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

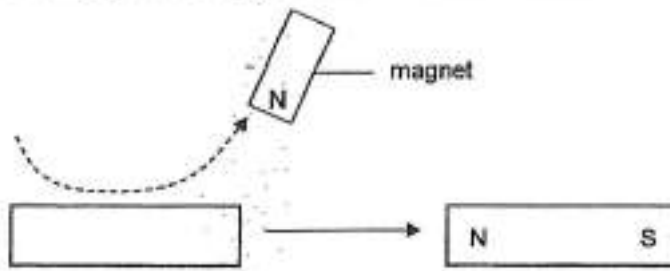
[Remove From Test](#)

Question 14

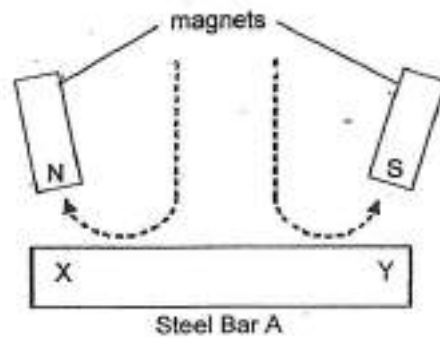
Primary 5 Science » Primary 5 Science (Term 3)

0 pts

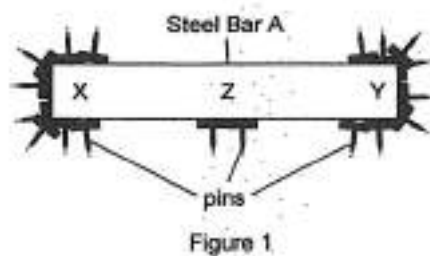
An iron bar was magnetised using the "stroke" method as shown.



Two magnets were used to magnetise Steel Bar A using the same method.



Jo dipped Steel Bar A into a tray of iron pins. He observed the following result shown in Figure 1.



What can Jo conclude about the magnetic strength of parts X, Y and Z of Steel Bar A based on his result? (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,576

Correctly answered feedback

Its magnetic strength at the poles X and Y is the strongest, but weakest at Z.

Incorrectly answered feedback

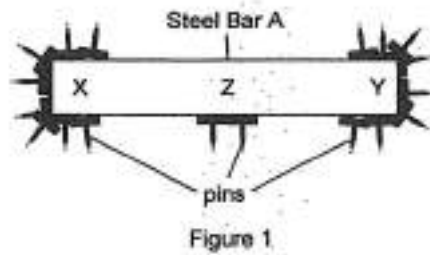
Its magnetic strength at the poles X and Y is the strongest, but weakest at Z.

Question 15

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Jo dipped Steel Bar A into a tray of iron pins. He observed the following result shown in Figure 1.



Jo was then given a rod. What can he do to find out if it is a magnet? (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,577

Correctly answered feedback

Jo should test if either sides of the steel bar repel using a magnet.

Incorrectly answered feedback

Jo should test if either sides of the steel bar repel using a magnet.

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

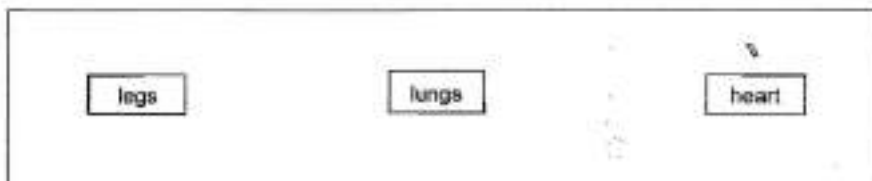
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Question 16

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

The diagram below shows three parts of a human body.



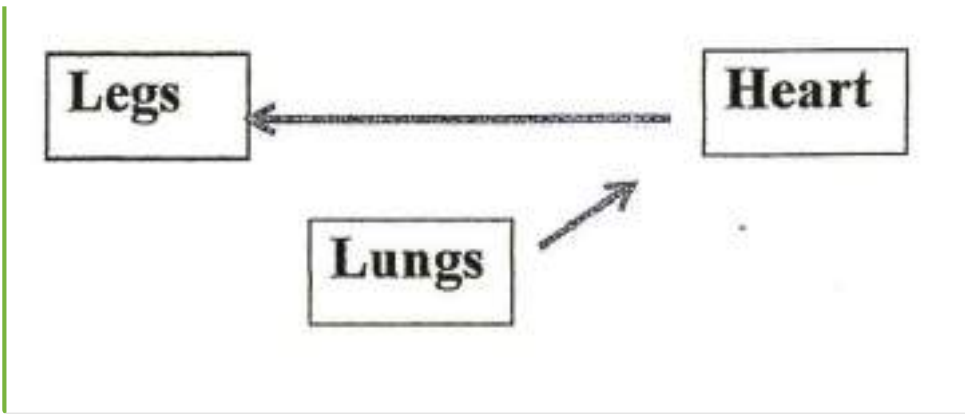
In the diagram, draw arrows to show how blood rich in oxygen is circulated to the legs. (1 mark)

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.

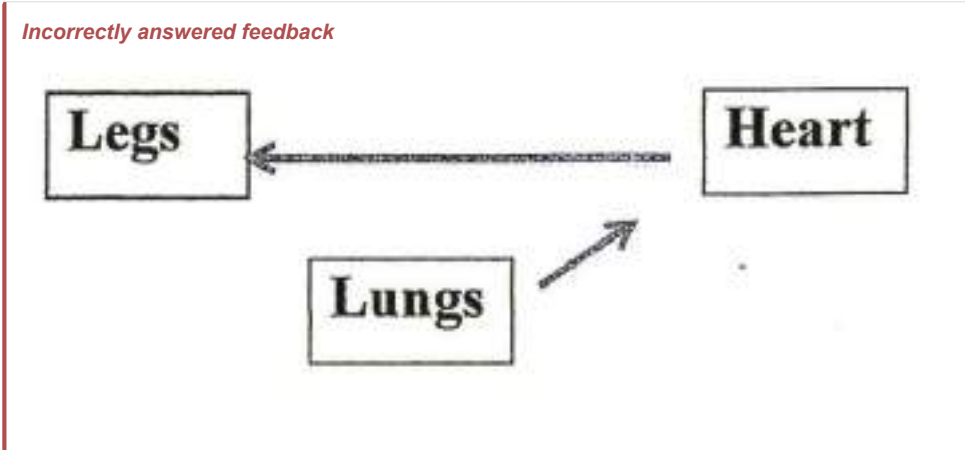
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,578

Correctly answered feedback



Incorrectly answered feedback



[Answers](#) |
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[Remove From Test](#)

Question 17

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Explain clearly the function of the circulatory system. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,579

Correctly answered feedback

It transports digested food, water and oxygen to all parts of the body. It carries waste materials away from the parts of the body.

Incorrectly answered feedback

It transports digested food, water and oxygen to all parts of the body. It carries waste materials away from the parts of the body.

[Answers](#) |
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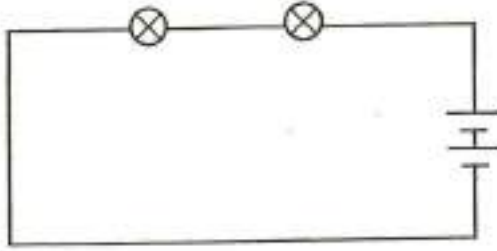
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Question 18

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Nathan set up a circuit as shown. The bulbs and batteries are identical and in working condition.



State two changes Nathan can make to the circuit so that each bulb will be brighter. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,580

Correctly answered feedback

He can change the arrangement of the bulbs to be in parallel. / He can increase the number of batteries. / Increase the e.m.f. of the batteries.

Incorrectly answered feedback

He can change the arrangement of the bulbs to be in parallel. / He can increase the number of batteries. / Increase the e.m.f. of the batteries.

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

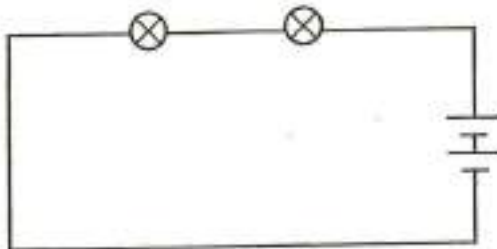
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Question 19

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Nathan set up a circuit as shown. The bulbs and batteries are identical and in working condition.



Nathan repeated the experiment with a different number of batteries. The results of the experiment are shown in the table based on a rating scale of 1 to 3 stars where 1 star represents the bulbs being least bright and 3 stars represent them being the brightest.

Number of batteries	Rating scale
3	★
4	★★
5	★★★

What was the aim of Nathan'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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,581

Correctly answered feedback

To find out if adding more batteries to the circuit would affect the brightness of the bulbs.

Incorrectly answered feedback

To find out if adding more batteries to the circuit would affect the brightness of the bulbs.

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

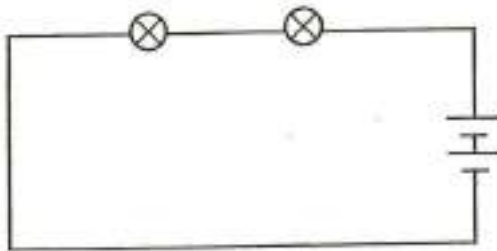
[Remove From Test](#)

Question 20

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Nathan set up a circuit as shown. The bulbs and batteries are identical and in working condition.



Nathan repeated the experiment with a different number of batteries. The results of the experiment are shown in the table based on a rating scale of 1 to 3 stars where 1 star represents the bulbs being least bright and 3 stars represent them being the brightest.

Number of batteries	Rating scale
3	★
4	★★
5	★★★

When a sixth battery was added to the circuit, the bulbs did not light up even though the batteries were arranged in the correct way. 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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,582

Correctly answered feedback

There are too many batteries causing the bulb to fuse, resulting in an open circuit.

Incorrectly answered feedback

There are too many batteries causing the bulb to fuse, resulting in an open circuit.

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

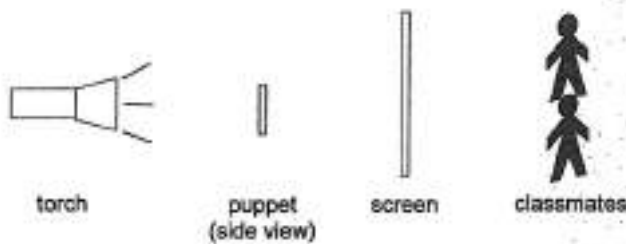
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Question 21

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Julie prepared a shadow puppet show for her classmates as shown. She made puppets using cardboard. Her classmates are only able to see dark shadows on the screen.



The diagram below shows a shadow cast by a puppet.



State two properties of light. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,583

Correctly answered feedback

Lights travel at a straight line ; when light is blocked by an opaque object, a shadow is casted.

Incorrectly answered feedback

Lights travel at a straight line ; when light is blocked by an opaque object, a shadow is casted.

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

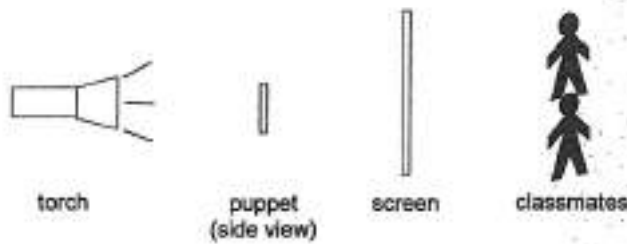
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Question 22

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Julie prepared a shadow puppet show for her classmates as shown. She made puppets using cardboard. Her classmates are only able to see dark shadows on the screen.



The diagram below shows a shadow cast by a puppet.



Explain clearly why her classmates were able to see the shadow of the puppet on the screen during the show. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,584

Correctly answered feedback

The puppet is made of an opaque material which blocks the light and cast a shadow on the translucent screen, since some light is able to pass through the screen, the classmate will be able to see the shadow of the puppet.

Incorrectly answered feedback

The puppet is made of an opaque material which blocks the light and cast a shadow on the translucent screen, since some light is able to pass through the screen, the classmate will be able to see the shadow of the puppet.

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

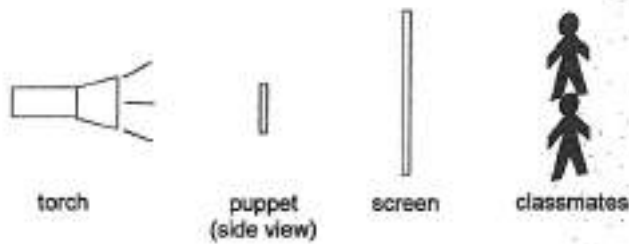
[Remove From Test](#)

Question 23

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

Julie prepared a shadow puppet show for her classmates as shown. She made puppets using cardboard. Her classmates are only able to see dark shadows on the screen.



The diagram below shows a shadow cast by a puppet.



What can Julie do to make the shadow of the puppet appear bigger? (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,585

Correctly answered feedback

She can move the torch closer to the puppet.

Incorrectly answered feedback

She can move the torch closer to the puppet.

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

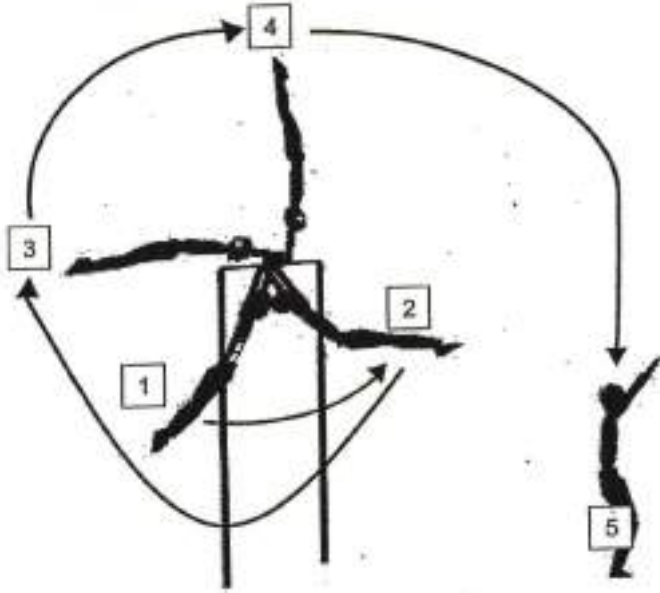
[Remove From Test](#)

Question 24

Primary 5 Science » Primary 5 Science (Term 3)

0 pts

The diagram shows a gymnast swinging on a horizontal bar. Position 1 shows her starting point, where she swings forward to Position 2 before swinging backwards and over the bar. She releases her grip on the bar after Position 4 and lands at Position 5.



Describe the energy conversion of the gymnast from Position 3 to Position 5. (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: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,586

Correctly answered feedback

The kinetic potential energy at Position 3 is converted into gravitational potential energy at position 4 which is then converted to kinetic energy, heat energy and sound energy at position 5.

Incorrectly answered feedback

The kinetic potential energy at Position 3 is converted into gravitational potential energy at position 4 which is then converted to kinetic energy, heat energy and sound energy at position 5.

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

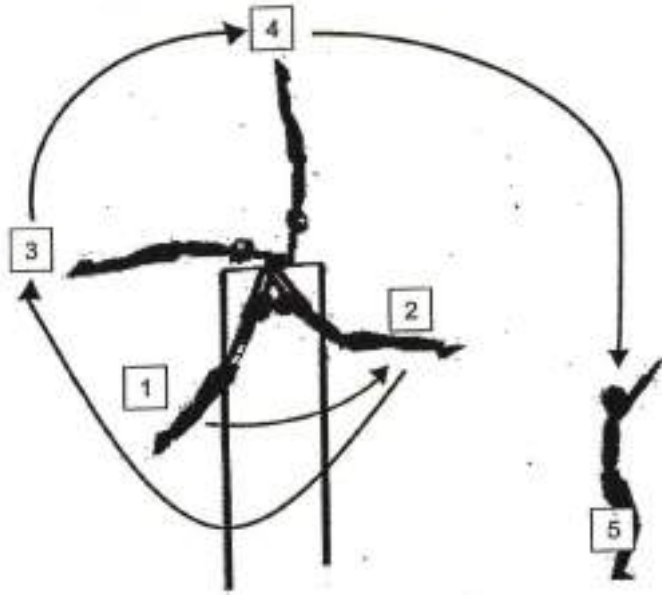
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Question 25

Primary 5 Science » Primary 5 Science (Term 3)

1 pt

The diagram shows a gymnast swinging on a horizontal bar. Position 1 shows her starting point, where she swings forward to Position 2 before swinging backwards and over the bar. She releases her grip on the bar after Position 4 and lands at Position 5.



At which position does the gymnast possess the most gravitational potential energy?

Accepted answers:

- ✓ Position 4
- ✓ 4
- ✓ At position 4

Question Type: Free Text
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,587

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

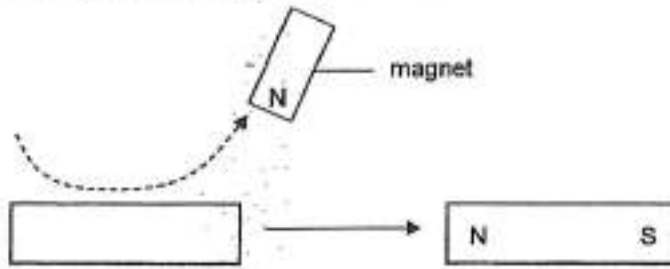
[Remove From Test](#)

Question 26

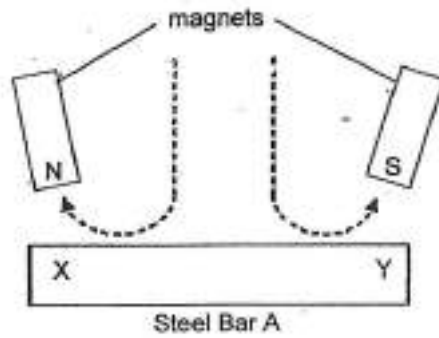
Primary 5 Science » Primary 5 Science (Term 3)

1 pt

An iron bar was magnetised using the "stroke" method as shown.



Two magnets were used to magnetise Steel Bar A using the same method.



Identify the poles of Steel Bar A at X and Y respectively.

Clue	Match
At X: _____	South Pole
Points: +0.5 -0	
At Y: _____	North Pole
Points: +0.5 -0	

Question Type: Matching
Shuffle Mode: Shuffle Matches Only
Date Added: Fri 6th Aug 2021
Last Modified: N/A
QID#: 28,637,588

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