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Primary 5 Science (Term 1) - Nan Hua (2020)

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Test Introduction

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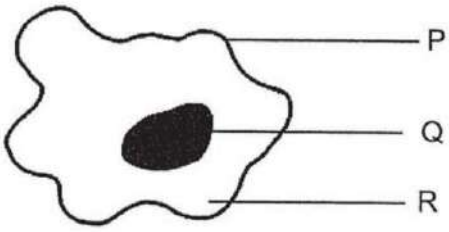
14 Questions (12 Points) **Question Bank:** 9,275 Questions

Test Questions | **0** Test Assignments

Question 1

Primary 5 Science » Primary 5 Science (Term 1) 2 pts

The diagram below shows a cell.



Which the following statements about the cell is/are correct?

A Part R controls cell activities.
B The cell is unable to make food.
C Part Q gives the cell a regular shape.
D Part P controls substances entering and leaving the cell.

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

Question Type: *Multiple Choice*

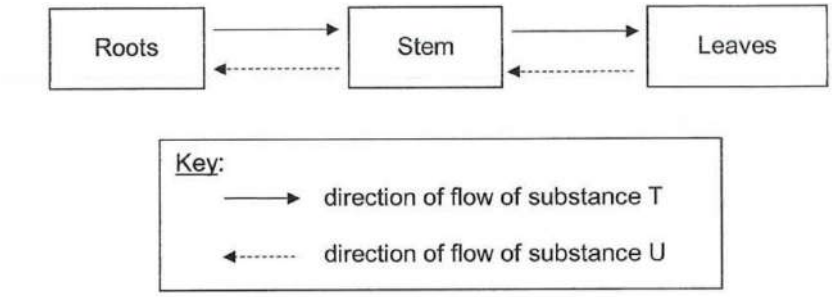
Randomize Answers: No
Date Added: Thu 2nd Sep 2021
Last Modified: N/A
QID#: 28,897,911

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 2

Primary 5 Science » Primary 5 Science (Term 1) 2 pts

The flow chart below shows how substances T and U are transported in a plant.



Which of the following represents the flow chart correctly?

✔ A)

water-carrying tubes	food-carrying tubes	substance(s) T	substance(s) U
→	⇢	water and dissolved mineral salts	food

B)

→	⇢	food	water and dissolved mineral salts

C)

⇢	→	water and dissolved mineral salts	food

D)

⇢	→	food	water and dissolved mineral salts

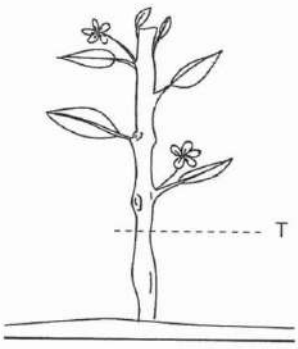
Question Type: *Multiple Choice*
Randomize Answers: No
Date Added: Thu 2nd Sep 2021
Last Modified: N/A
QID#: 28,897,923

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

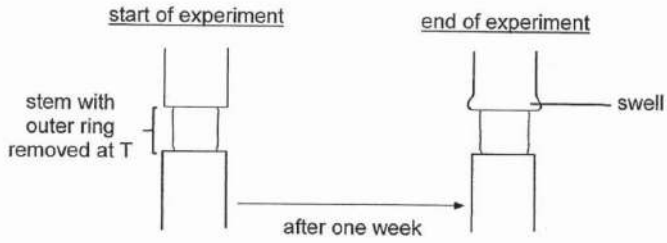
Question 3

Primary 5 Science » Primary 5 Science (Term 1) 2 pts

Malek removed the other ring of the stem of a plant in his garden at 'T' as shown in the diagram below.



He watered the plant daily. After a week, he noticed that the part of the stem above the ring swelled up as shown below.



Which one of the following statements explains the swell correctly?

A) Water travelled up the water-carrying tubes in the stem and is gathered above the ring.

B) Water travelled down the water-carrying tubes in the stem and is gathered above the ring.

C) Food travelled up the food-carrying tubes in the stem and is gathered above the ring.

✔ **D)** Food travelled down the food-carrying tubes in the stem and is gathered above the ring.

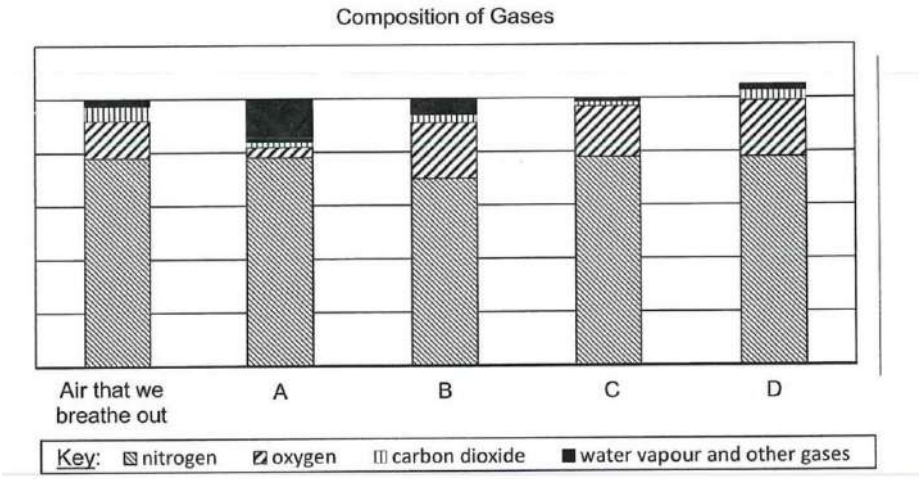
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,897,940*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 4

Primary 5 Science » Primary 5 Science (Term 1) 2 pts

The graphs below show different composition of gases compared to the air that we breathe out.



Which graph, A, B, C or D, best represents the composition of gases of the air we breathe in?

A) A

B) B

✔ **C)** C

D) D

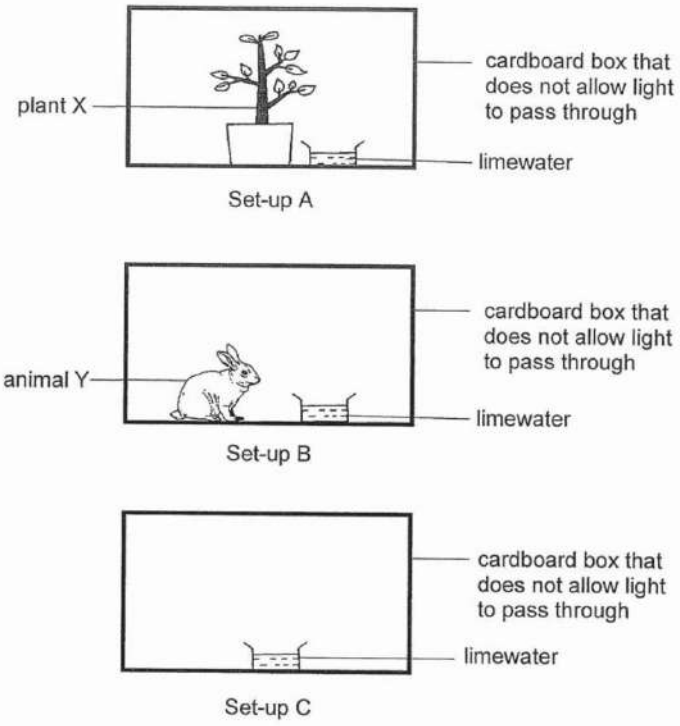
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,897,947*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 5

Primary 5 Science » Primary 5 Science (Term 1) 2 pts

Sarah set up an experiment as shown below.



Limewater turns chalky in the presence of carbon dioxide. Sarah placed the set-ups near the window. After two hours, she checked on the limewater of all the set-ups. She found that the limewater in set-up C did not turn chalky.

Which one of the following could be her observations for set-ups A and B?

✔ **A)**

Set-up A	Set-up B
turned chalky	turned chalky

B)

Set-up A	Set-up B
turned chalky	remained colourless

C)

Set-up A	Set-up B
remained colourless	turned chalky

D)

Set-up A	Set-up B
remained colourless	remained colourless

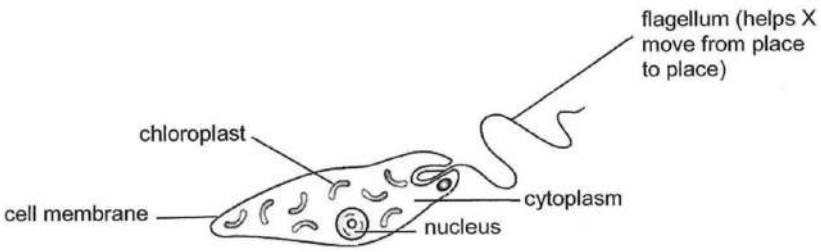
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,897,964*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 6

Primary 5 Science » Primary 5 Science (Term 1) 1 pt

The diagram below shows a single-celled organism, X, which can be found near the top surface of both freshwater and seawater.



Using only the information given above, answer the following questions below.

Name one cell part in organism X which suggests that it could be a plant. (1 mark)

Accepted answers:

✔ chloroplasts

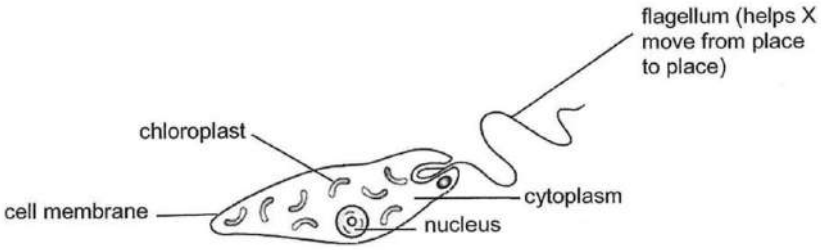
Question Type:	*Free Text*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,897,980*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 7

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

The diagram below shows a single-celled organism, X, which can be found near the top surface of both freshwater and seawater.



Using only the information given above, answer the following questions below.

State the function of the part mentioned in the previous question. (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 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,897,993*

Correctly answered feedback

It traps light to make its own food.

Incorrectly answered feedback

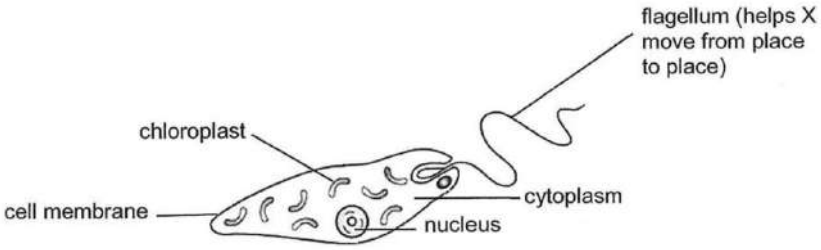
It traps light to make its own food.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 8

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

The diagram below shows a single-celled organism, X, which can be found near the top surface of both freshwater and seawater.



Using only the information given above, answer the following questions below.

The cell has a flagellum that enables it to move in water. Explain how this helps organism X survive better in 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*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,005*

Correctly answered feedback

The flagellum helps X to move nearer to the water surface to trap more light in order to make more food.

Incorrectly answered feedback

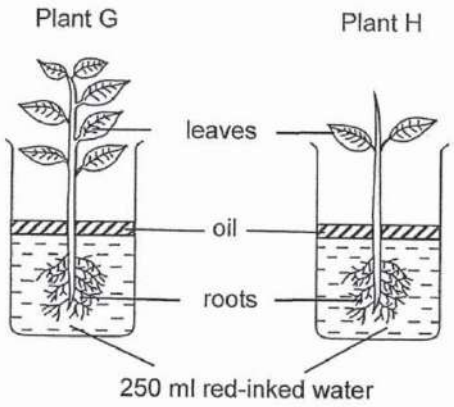
The flagellum helps X to move nearer to the water surface to trap more light in order to make more food.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 9

Primary 5 Science » Primary 5 Science (Term 1) 1 pt

Mr Lim put two plants, G and H, in two similar beakers, each containing 250 ml of red-inked water as shown in the diagrams below.



Mr Lim recorded the amount of water in the beaker at the start and end of the experiment. Based on the set-ups above, write down 'G' or 'H' in the boxes below.

Plant	Amount of water (ml)	
	At first	After 3 hours
	250	230
	250	215

Clue	Match
Plant: At first: 250; After 3 hours: 230	H
Points: +0.5 −0	
Plant: At first: 250; After 3 hours: 215	G
Points: +0.5 −0	

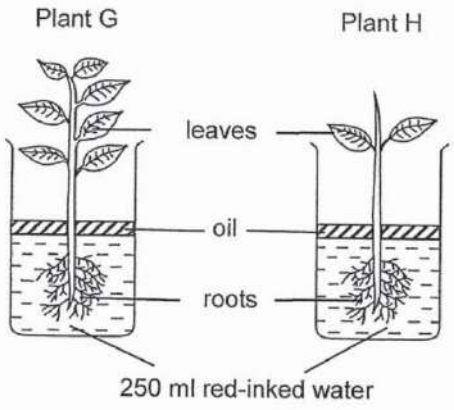
Question Type: *Matching*
Shuffle Mode: *Shuffle Matches Only*
Date Added: *Thu 2nd Sep 2021*
Last Modified: *N/A*
QID#: *28,898,043*

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 10

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

Mr Lim put two plants, G and H, in two similar beakers, each containing 250 ml of red-inked water as shown in the diagrams below.



Explain clearly why oil is added to the surface of the water. (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 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,053*

Correctly answered feedback

The oil is to prevent loss of water in the beaker through evaporation and to ensure that the decrease in the amount of water is only due to the plants taking in water.

Incorrectly answered feedback

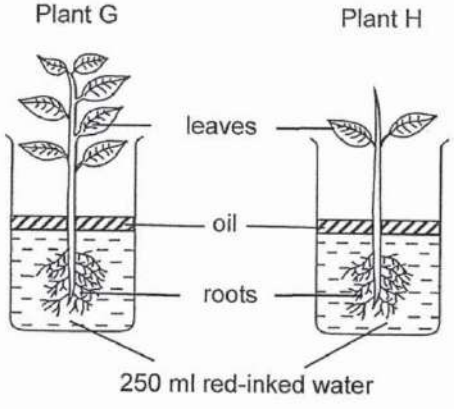
The oil is to prevent loss of water in the beaker through evaporation and to ensure that the decrease in the amount of water is only due to the plants taking in water.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 11

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

Mr Lim put two plants, G and H, in two similar beakers, each containing 250 ml of red-inked water as shown in the diagrams below.



Based on the results that Mr Lim has recorded above, what can he conclude from the experiment? (1

mark)

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

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

Question Type:	*Essay*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,077*

Correctly answered feedback

Plant (G) with more leaves take in more water/lose more water through the leaves and vice versa.

OR

Plant (H) with less leaves take in less water/ lose less water through the leaves.

Incorrectly answered feedback

Plant (G) with more leaves take in more water/lose more water through the leaves and vice versa.

OR

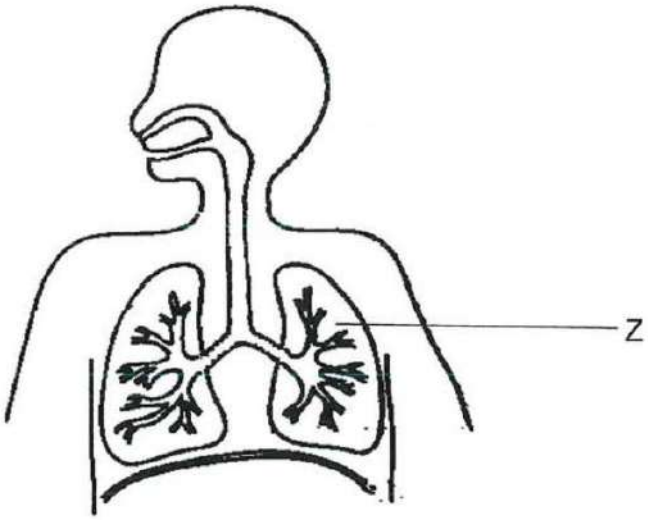
Plant (H) with less leaves take in less water/ lose less water through the leaves.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 12

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

The diagram below shows the respiratory system of a human.



State the function of part Z. (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 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,083*

Correctly answered feedback

Part Z allows gaseous exchange to take place.

Incorrectly answered feedback

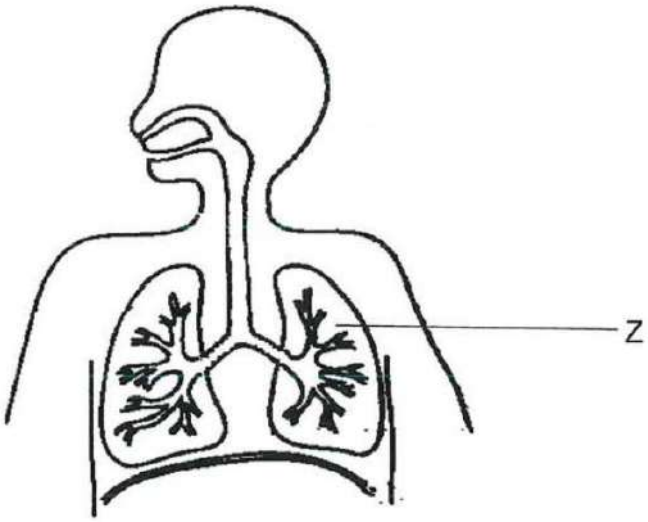
Part Z allows gaseous exchange to take place.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 13

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

The diagram below shows the respiratory system of a human.



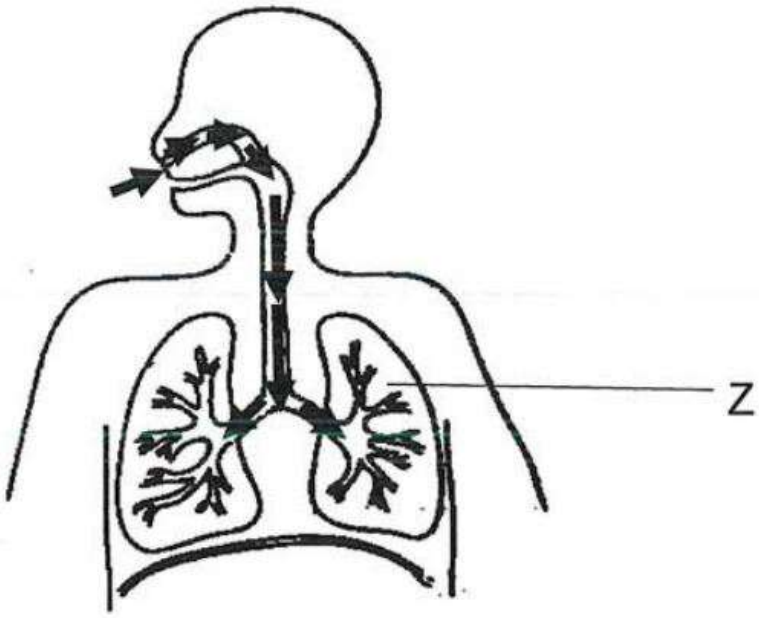
Using arrows, trace the pathway of air from the surrounding to part Z in the diagram above. (1 mark)

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.

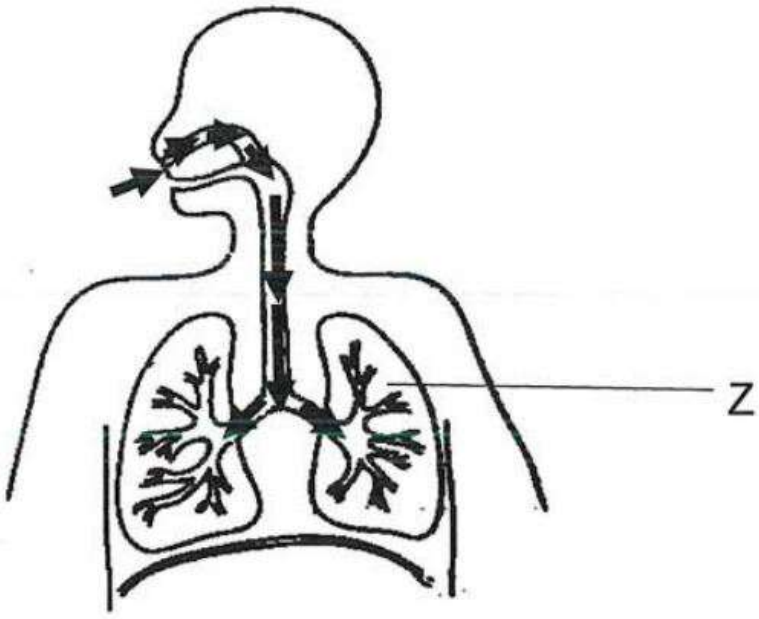
Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type:	*Essay*
Date Added:	*Thu 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,090*

Correctly answered feedback



Incorrectly answered feedback

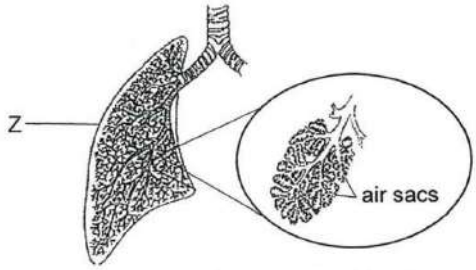


Answers | Edit | Duplicate | Used In | Reorder Remove From Test

Question 14

Primary 5 Science » Primary 5 Science (Term 1) 0 pts

Part Z contains many air sacs shown in the diagram below.



The air sacs are surrounded by many tiny blood vessels. Explain how having many air sacs help to speed up gaseous exchange. [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 2nd Sep 2021*
Last Modified:	*N/A*
QID#:	*28,898,113*

Correctly answered feedback

Having many air sacs increase the surface area of contact between the blood vessels/blood and the air so that gaseous exchange can take place at a faster rate.

OR

increase the (exposed) surface area in contact with blood vessel so there is greater exchange of gases to take place.

Incorrectly answered feedback

Having many air sacs increase the surface area of contact between the blood vessels/blood and the air so that gaseous exchange can take place at a faster rate.

OR

increase the (exposed) surface area in contact with blood vessel so there is greater exchange of gases to take place.

Answers | Edit | Duplicate | Used In | Reorder Remove From Test