Red Swastika School
Primary 5 Science 2021
Class Test 1

40

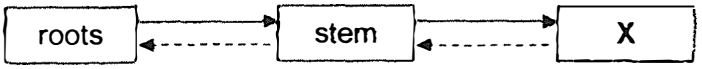
Name: _____ ( ) **Parent's Signature:** _____

Class: Pr. 5 _____ **Date:** 05 May 2021

Section A: Multiple-Choice Questions (14 x 2 = 28 marks)

Choose the most suitable answer and write its number in the brackets provided.

1. The diagram represents the plant transport system. The arrows represent two substances being transported in the plant. Part X is found in a plant.

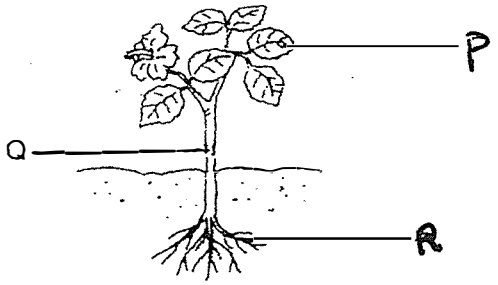


Which of the following correctly represents the two substances and part X?

	→	⇢	X
(1)	food	water	flower
(2)	water	food	leaf
(3)	food	water	leaf
(4)	water	food	flower

( )

2. Study the diagram of the plant below.

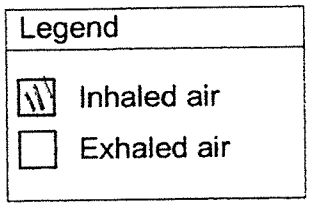


Which of the following statements is not true?

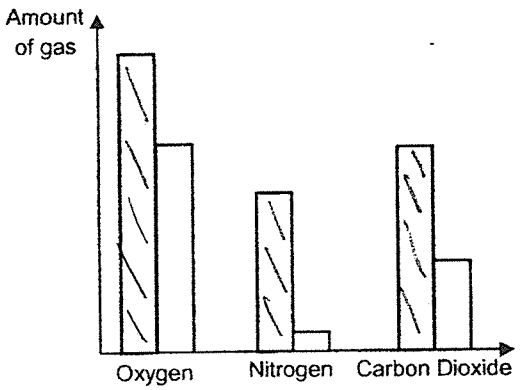
(1) Food is made in part P of the plant.
(2) Water is absorbed in part R of the plant.
(3) Water-carrying tubes can be found in part Q.
(4) Part R of the plant does not have food-carrying tubes. ( )

Downloaded from SingaKids.com

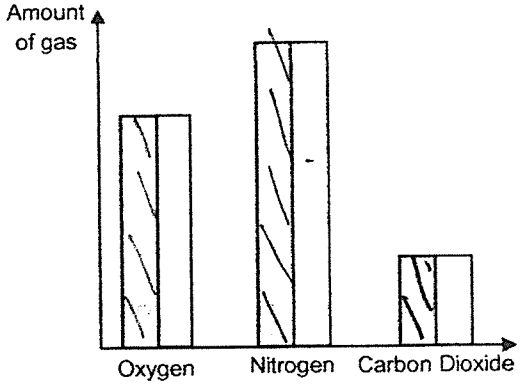
3. Which of the following correctly shows the composition of gases in inhaled air and exhaled air?



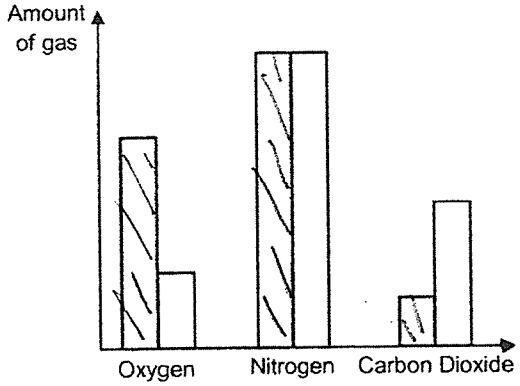
(1)



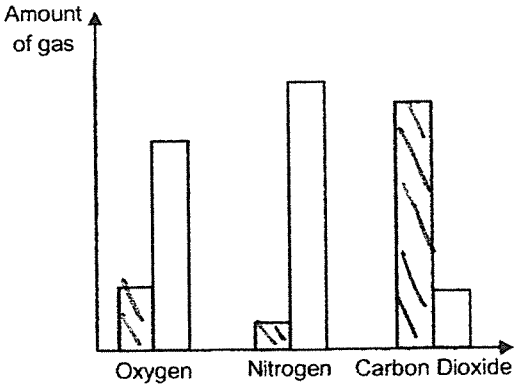
(2)



(3)



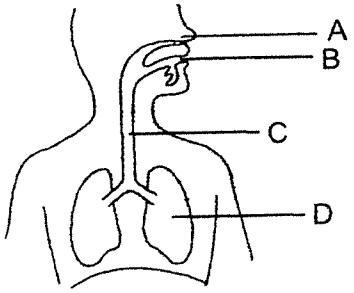
(4)



( )

Downloaded from SingaKids.com

4. The diagram below shows some organs in the human system.



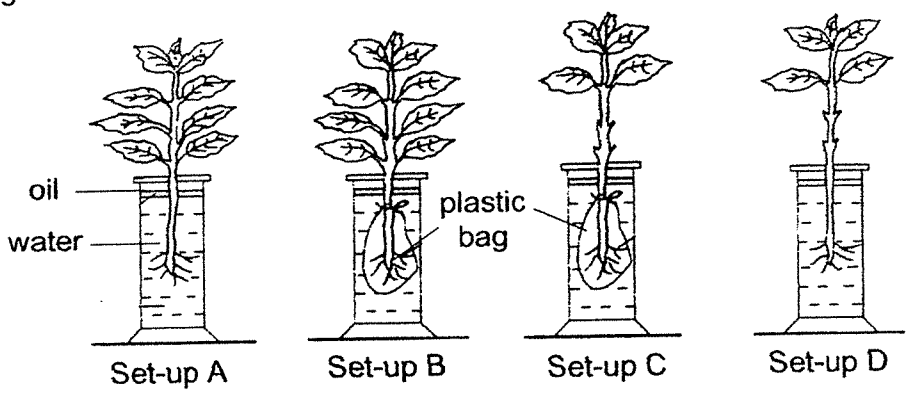
In which part, A, B, C or D, does oxygen enter the blood?

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

( )

5. Kenny wanted to find out whether the number of leaves on the plant affect the amount of water being absorbed. He placed four plants in identical jars, each containing the same amount of water and a layer of oil.

He placed the four set-ups A, B, C and D next to the window and left it overnight.



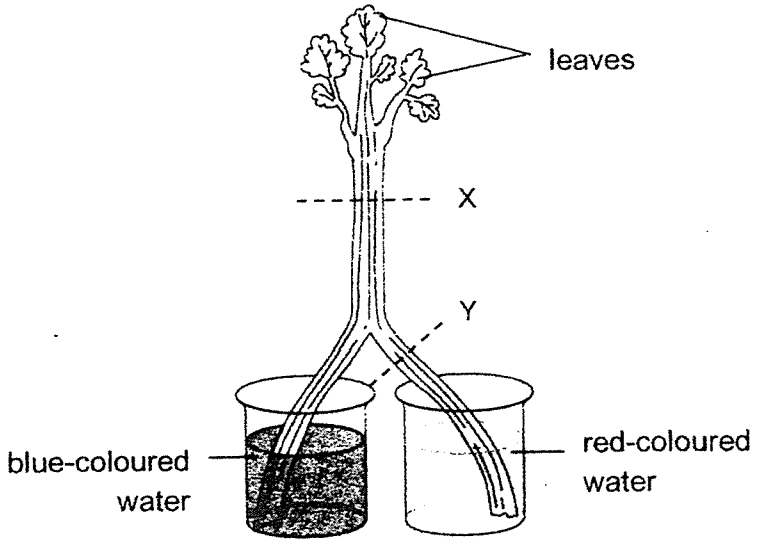
Which two set-ups should he use to ensure a fair test?

(1) A and C
(2) A and B
(3) A and D
(4) B and D

( )

Downloaded from SingaKids.com

6. Salmah placed a celery stalk with the bottom half split into 2 equal sides with each being place in a beaker of coloured water.



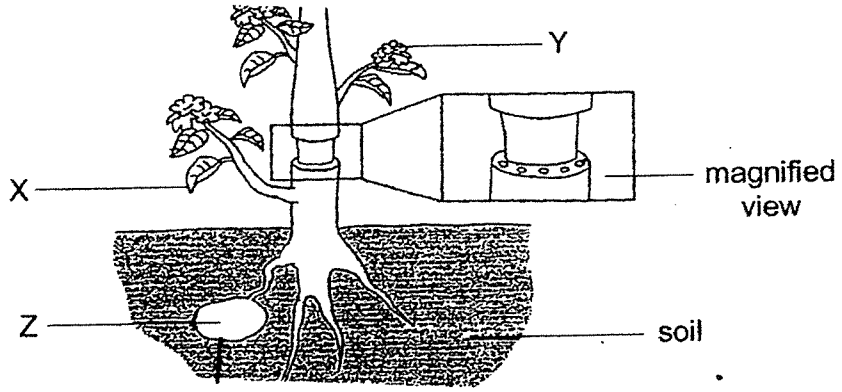
She cut the stalk of the celery at parts X and Y and observed the cross-section of the cut stem. Which of the following would she likely observe?

	X	Y
(1)	blue-coloured tubes only	red-coloured tubes only
(2)	red and blue coloured tubes	red-coloured tubes only
(3)	red and blue coloured tubes	red and blue coloured tubes
(4)	red-coloured tubes only	blue-coloured tubes only

( )

Downloaded from SingaKids.com

7. The diagram below shows a plant. The outer ring of a part of the stem was removed causing the food-carrying and water-carrying tubes to be removed. The magnified view shows the ring of the stem that was removed.



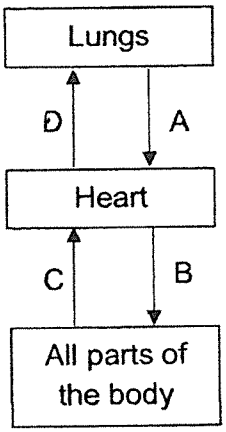
Part Z stores food for the plant. After the outer ring was removed, part Z grew bigger after some time. What could be a possible explanation for this?

(1) Water was transported from Y to Z.
(2) Water was transported from X to Z.
(3) Food made at X was transported to Z.
(4) Food made at Y was transported to Z.

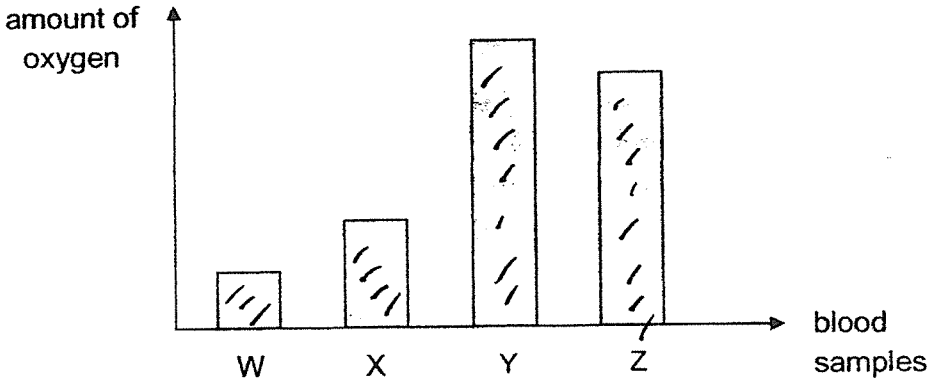
( )

Downloaded from SingaKids.com

8. The diagram below shows blood vessels A, B, C and D in a human body.



Blood samples, W, X, Y and Z were taken from the blood vessels above. The amount of oxygen in each blood sample was measured and recorded in the graph below.



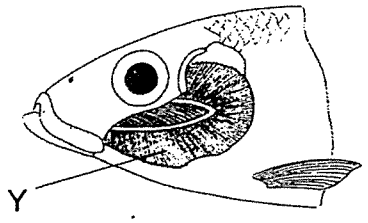
Which of the following correctly matches the blood sample to the blood vessels?

	blood vessel A	blood vessel B	blood vessel C	blood vessel D
(1)	Y	Z	X	W
(2)	W	X	Y	Z
(3)	Z	Y	W	X
(4)	X	W	Z	Y

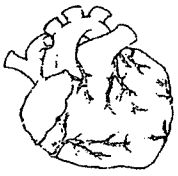
( )

Downloaded from SingaKids.com

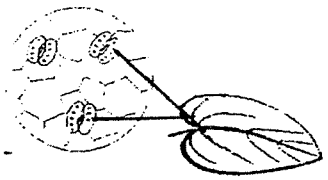
9. The following diagram shows the respiratory system of a fish.



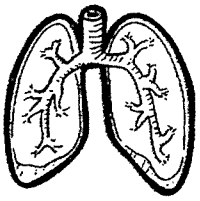
Which of the following performs a function similar to Y as shown above?



A: human heart



B: tiny openings on a leaf



C: human lungs

(1) B only
(2) C only
(3) A and C only
(4) B and C only

( )

10. Siti wrote some statements about humans and fishes.
Which of the following statements is correct?

(1) Oxygen is transported by the blood in humans and fish.
(2) Gaseous exchange does not take place in the lungs and gills.
(3) The windpipe is part of the respiratory system of humans and fish.
(4) Carbon dioxide is not transported by the blood in humans and fish. ( )

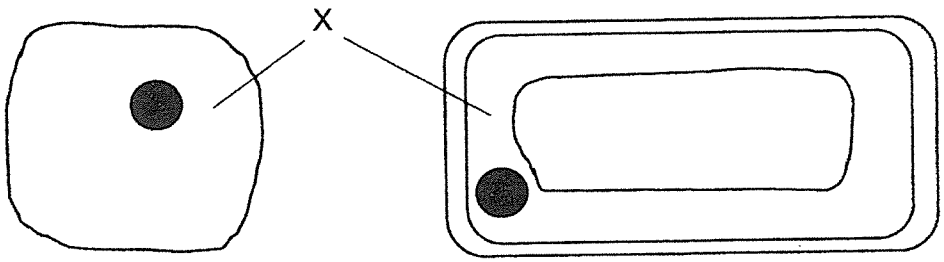
11. Which of the following controls the movement of substances in and out of the cell?

(1) cell membrane
(2) cell wall
(3) chloroplast
(4) nucleus

( )

Downloaded from SingaKids.com

12. The diagram below shows Cell P and Cell Q.



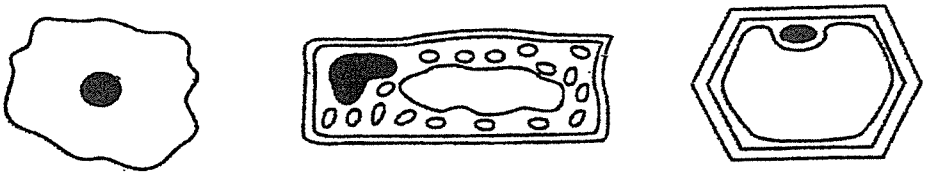
Cell P Cell Q

Which of the following correctly represents part X and its function?

	Part X	Function
(1)	Nucleus	where cell activities take place
(2)	Nucleus	controls all the activities in the cell
(3)	Cytoplasm	where cell activities take place
(4)	Cytoplasm	controls all the activities in the cell

( )

13. Study cells P, Q and R below carefully.



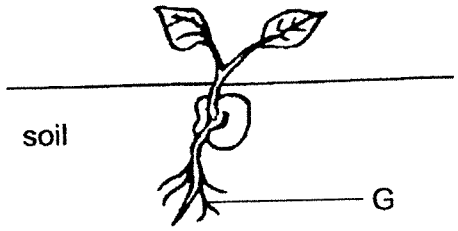
Cell P Cell Q Cell R

Which of the following parts are present in all three cells?

(1) cytoplasm and cell wall
(2) chloroplast and nucleus
(3) chloroplast, nucleus and cell wall
(4) cell membrane, cytoplasm, nucleus ( )

Downloaded from SingaKids.com

14. The diagram below shows a plant.



The table below shows the details of four cells. A tick (✓) shows that the part is found in the cell and a cross (X) shows that the part is not found in the cell.

Which cell is most likely to be found in part G?

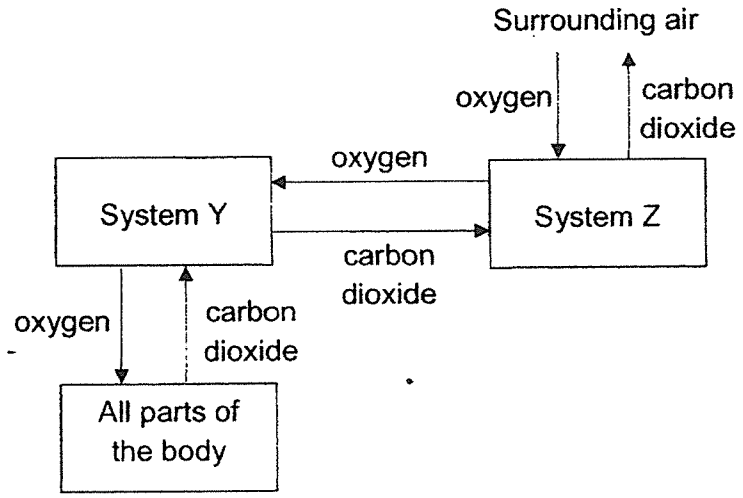
	Cell	Cell wall	Chloroplasts	Nucleus
(1)	P	✓	✓	✓
(2)	Q	✓	x	✓
(3)	R	x	x	✓
(4)	S	✓	x	x

( )

Downloaded from SingaKids.com

Section B: Open-ended Questions (3 Questions: 12 marks)

15. The diagram below shows the transport of substances in the human body.



(a) State two parts that are found in system Z. (2m)

_____

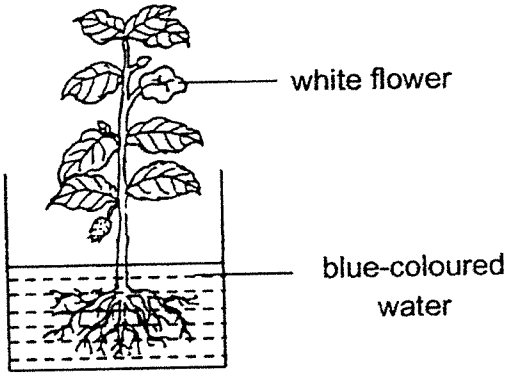
(b) Besides carbon dioxide and oxygen, name one other substance that is transported by system Y in the human body. (1m)

_____

3

Downloaded from SingaKids.com

16. Jia Le placed a plant in a beaker of blue-coloured water. He left the plant near a window for two days.



(a) What would he observe about the colour of the flower after two days? (1m)

_____

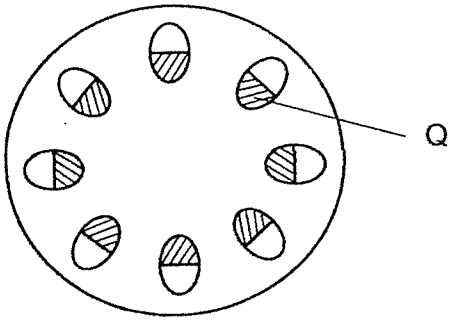
(b) Explain your answer in part (a). (2m)

_____

_____

_____

Jia Le then cut the stem of the plant. He noticed that part Q was blue in colour. The diagram below shows the cut section of the stem.



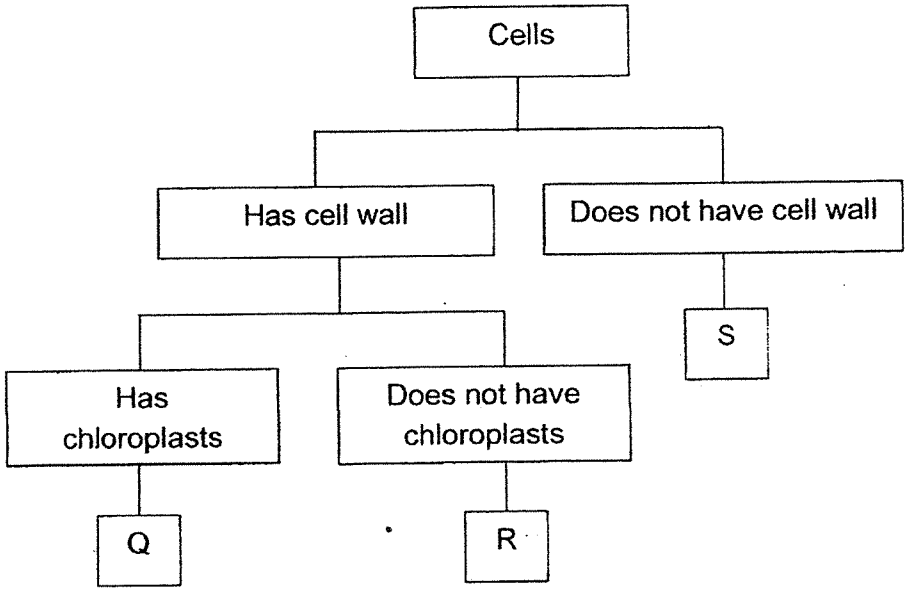
(c) Which part of the plant transport system does part Q represent? (1m)

_____

4

Downloaded from SingaKids.com

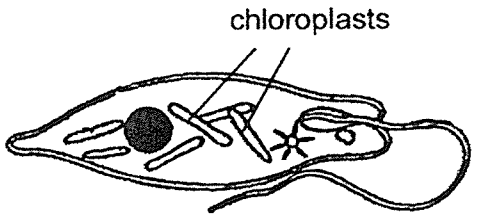
17. Study the chart below carefully.



(a) Complete the table by writing Q, R or S in the correct space provided. You may use Q, R or S to answer more than once. (2m)

cheek cell	root cell	leaf cell	onion cell

Organism Y was found in a pond. The diagram below shows how organism Y looks like under the microscope.



(b) Name the green pigment that can be found inside the chloroplast. (1m)

_____

(c) How does the answer in (b) help organism Y to survive without feeding on other organisms? (2m)

_____

_____

End of Paper. Please check your answers.

5

Downloaded from SingaKids.com

ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : RED SWASTIKA SCHOOL
SUBJECT : SCIENCE
TERM : CLASS TEST 1

Q1	2	Q2	4	Q3	3	Q4	4	Q5	3
Q6	2	Q7	3	Q8	1	Q9	4	Q10	1
Q11	1	Q12	3	Q13	4	Q14	2		

Q15	(a)	lung, windpipe, nose, airsacs
	(b)	digested food, water, waste material.
Q16	(a)	The flower will turn blue
	(b)	The roots absorbed blue coloured water. The water, is transported through the water carrying tunes to the flower.
	(c)	Water carrying tubes
Q17	(a)	S R Q R
	(b)	Chlorophyll
	(c)	The chlorophyll traps sunlight to make food for the plant.

1
END

Downloaded from SingaKids.com