

VIVEK TUTORIALS

Biology
Practice Test
Max Marks: 30

Date : 03/Apr/2019

Grade: 8th (ICSE)

Time: 45Min

Name the following:

1. Name the plant tissue which helps in carrying the food to different parts. 1

Fill in the blanks:

2. Transportation in plants is carried out by a _____ system. 1
3. The upward movement of sap that contains water and minerals is called _____ of sap. 1
4. The leaves have more _____ on their lower surface. 1
5. Transpiration is more when the wind is blowing _____. 1

Choose the correct alternative:

6. Diffusion occurs when molecules move : 1
(i) from lower concentration to higher concentration.
(ii) from higher concentration to lower concentration through a membrane.
(iii) from higher concentration to lower concentration.
(iv) when energy is used.
7. Ascent of sap in plants takes place through : 1
(i) Cortex (ii) Epidermis
(iii) Xylem (iv) Phloem
8. If the xylem. vessels of a plant are plugged : 1
(i) The leaves will turn yellow
(ii) No food will be made
(iii) The plant will wilt (shrivel)
(iv) The plant will continue to grow
9. Force responsible for the ascent of sap is : 1
(i) Capillary force
(ii) Root pressure
(iii) Transpiration pull
(iv) All the three

Write whether the statement is true or false (give reason if false):

10. Water absorption mainly occurs through the root-hair. 1
11. Water enters the root-hair by osmosis. 1
12. Water absorbed by the roots reaches the leaves and is used in producing food for the entire plant. 1
13. A semi-permeable membrane allows larger molecules to pass through, but prevents the smaller ones. 1

Define the following:

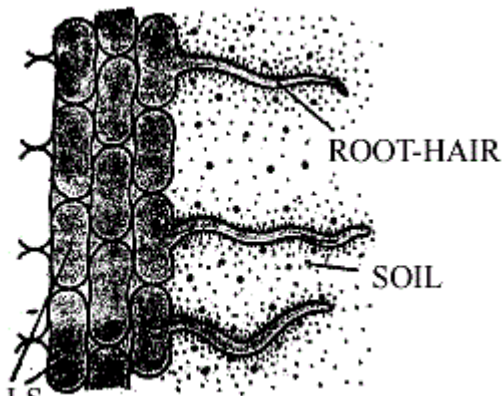
14. semi-permeable membrane 1
15. osmosis 1

Answer the following in one or two sentence:

16. What is sap? 1

Answer the following:

17. How are roots useful to the plants? Give any two points. 2
18. Given here is an enlarged diagram of a part of the root. Draw arrows on the diagram to show the movement of water passing through different parts. 2



ROOT CELLS

Answer the following in detail:

19. Describe how the movement and absorption of water take place through the roots.

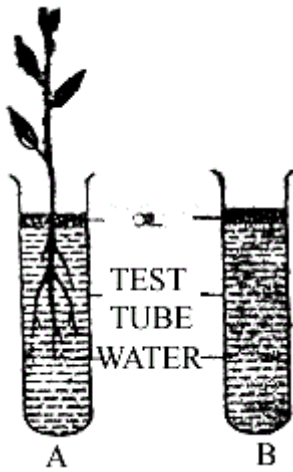
5

Answer the following with diagram:

20. The following experiment was set up as shown in the figure below. After some time, the Water level in test tube A fell down but not in test tube B.

5

Why was there a fall in the water level of test tube A and not in that of test-tube B?



----- All the Best -----