

X_Life processes (Transportation)_Worksheet 4

1. Name the 2 conducting tissues of plants?
2. Name the various cells of xylem that help in upward movement of water and minerals?
3. Name the term for transport of food from leaves to other parts of the plant?
4. What is Ascent of sap?
5. What will happen to a plant if the xylem is removed?
6. Write 2 advantages of transpiration to the plant body?
7. How does ascent of sap take place at night in the absence of transpiration?
8. State the difference between transport of materials in xylem and phloem?
9. What is transpiration? How does it take place? How is it useful to plants?
10. Plants absorb water from the soil. Explain how does the water reach the tree top? What is this process called?
11. Why do plants have a slow transport system? Give 2 points of difference between transpiration and translocation.
12. Explain the two factors important in ascent of sap.
13. What is mass/bulk flow system?
14. Which tissue conducts organic substances in plants?
15. Why are the sieve tube cells called so?
16. What is root pressure? How does it help?
17. What is transpiration pull? What is its effect?
18. Which property of water molecules helps transpiration to take place as bulk movement?
19. Name the components of xylem and phloem.
20. To where does the plant translocate food?