

1. Name the two types of complex permanent tissues found in plants.
2. Name the tissue responsible for the transport of water and minerals in plants.
3. Name the tissue that transports food from leaves to other parts of the plant.
4. Mention one main component of xylem.
5. Mention one main component of phloem.
6. State one function of xylem.
7. State one function of phloem.
8. Name the living component of xylem.
9. Name the dead component of phloem.
10. Mention the main function of sieve tubes in phloem.
11. Leaves begin to wilt after damage to a particular tissue. Identify the tissue likely affected and give a reason.
12. A ring of bark is removed from the stem of a plant. After some time, food accumulates above the ring. Identify the tissue involved and explain the reason.
13. Xylem contains both living and dead cells, yet it efficiently transports water. Justify this statement.
14. A plant has healthy leaves but its roots cannot receive sufficient food. Identify the tissue that may be damaged and explain your reasoning.
15. Compare xylem and phloem on the basis of material transported, direction of transport, and nature of their cells.

Diagram Based Question - Answer the following questions on the basis of the Picture given:

16. Identify the cross section shown in the picture.
17. Label and name the section of the tissues that conduct water and minerals from the roots to leaves of the plant.
18. Why are those tissues called complex?
19. Which part of a leaf are these tissues present?
20. Write the names of the four elements of the tissue that are present in the tissues that transport prepared food to different parts of the plant from the leaves.

