

Ques

Q1) What are the components of the transport system in highly organised plants?

Ans) The components of transport system in higher plants are: i) xylem and ii) phloem.

Xylem consists of tracheids, vessels, xylem parenchyma and xylem fibres. Phloem consists of sieve tubes, companion cells, phloem fibres and phloem parenchyma.

Q2) How are water and minerals transported in plants?

Ans) The water from the soil reaches the leaves by the tissue called xylem. The root hairs

on the root absorb water from the soil and through osmosis the water is transported to leaves through the tissue xylem.

Q3) What are the difference between the transport of materials in xylem and phloem?

Ans) Xylem are mainly responsible for ~~transport~~ transportation of water and minerals whereas phloem carries organic food and hormones. Xylem helps in upwards movement whereas phloem is responsible for downwards and lateral transport.