

Ans
1.7.21

Q3. What are the components of the transport system in highly organised plants?

A The transport system includes two major conducting tissues that are xylem & phloem. Other parts included in this system are roots & stomata.

Q4. How are water & minerals transported in plants?

A Water & minerals are transported in plants with help of xylem tissue.

Roots absorb the water from the soil by actively taking up ions, creates the difference in the concentration of these ions between the root & the soil.

Exercise

Q. What are the differences between the transport of materials in xylem & phloem?

A. Transportation of material in xylem

- xylem tissue helps in transport of water & minerals
- Transport in the xylem requires physical forces like as transpiration pull.

Transportation of materials in phloem

- Phloem tissue helps in the transport of food.
- Transport of food in both xylem & phloem requires energy in the form of ATP.