

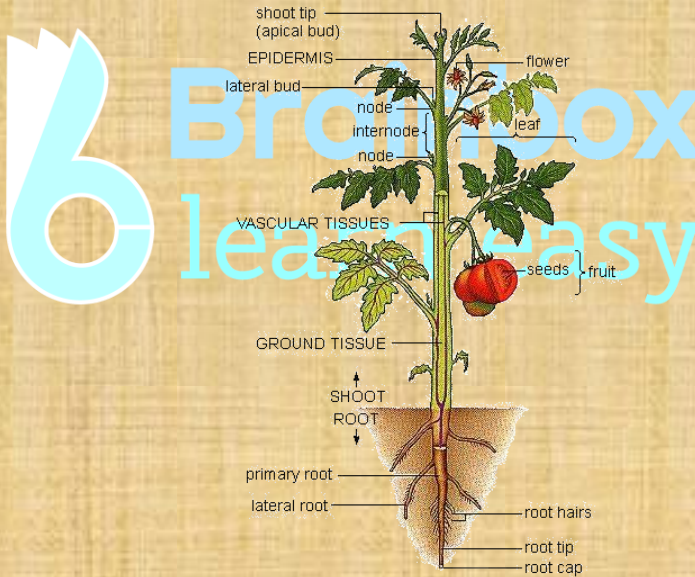
Chapter 6

LIFE PROCESSES

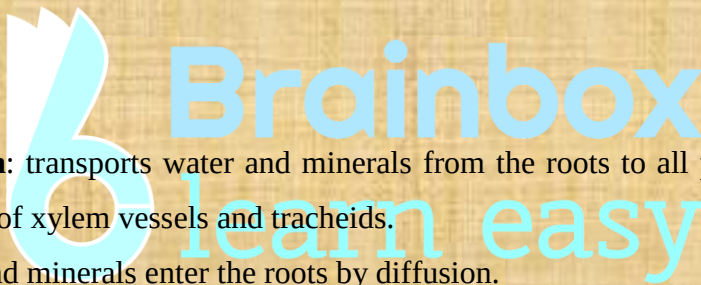
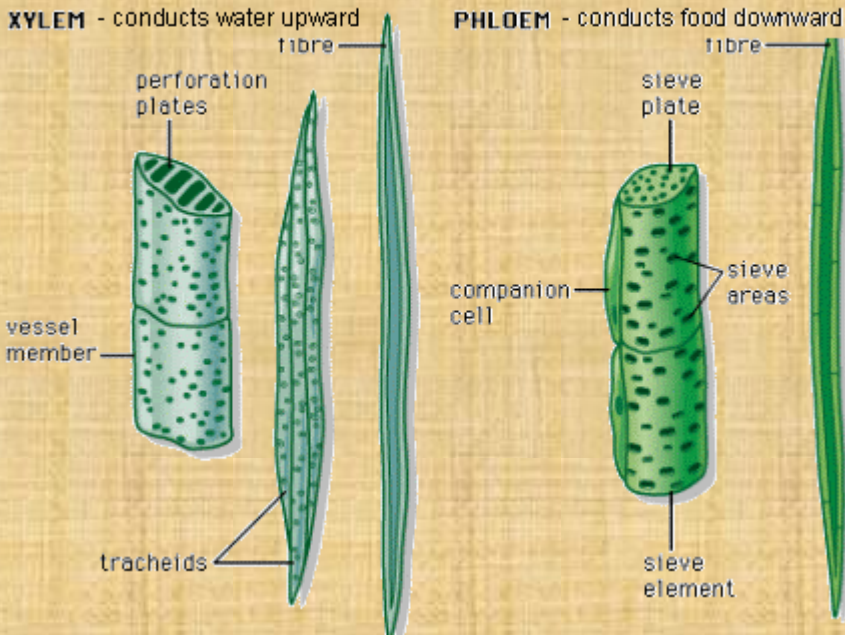
Transportation in plants:

In plants, transportation of materials like food, water and minerals takes place through conducting tissues called xylem and phloem.

Transport in Plants



Vascular Tissues In Plants



i) **Xylem**: transports water and minerals from the roots to all parts of the plant. It consists of xylem vessels and tracheids.

Water and minerals enter the roots by diffusion.

ii) **Phloem**: transports food from the leaves to the other parts of the plant.

This process is called translocation. The phloem consists of sieve tubes and companion cells. Due to osmotic pressure water enters the phloem and helps in the transport of food.

