

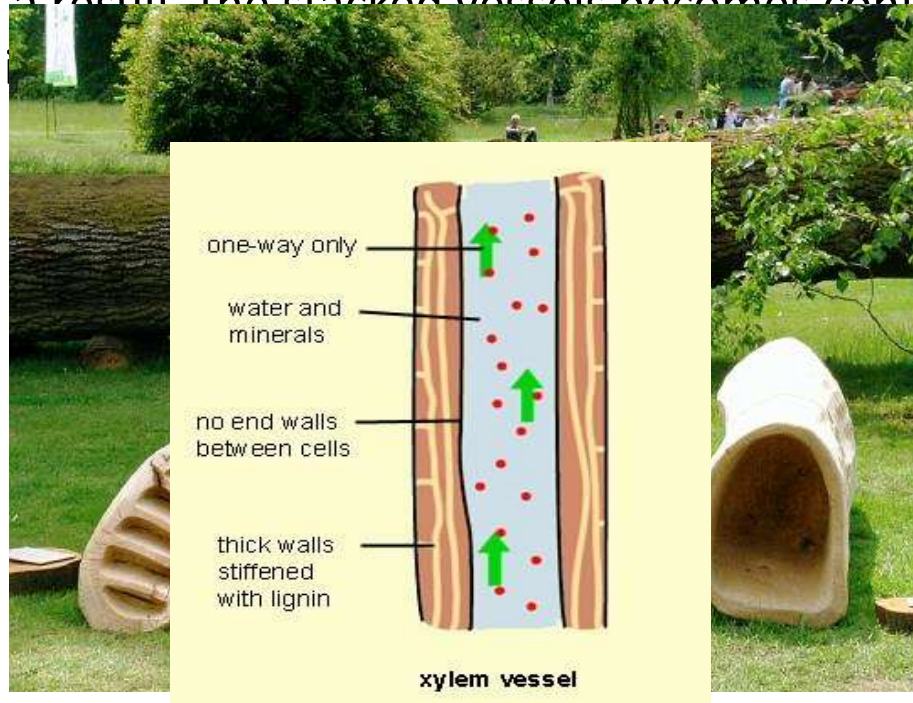
i. Tracheids :

- ▶ These are long narrow cells with walls that are impermeable to water.
- ▶ When tracheids mature, they die and their cytoplasm disintegrates.
- ▶ This leaves a network of hollow connected cells through which water can pass.



ii. Xylem vessels :

- ▶ These are tubular structures and are much wider than tracheids.
- ▶ They are arranged end to end and on top of one another like a pipe line.
- ▶ The cell walls at both the end degenerate when the cells die.
- ▶ As a result, the stacked vessels become continuous tubes.
- ▶ This allows water and minerals to move in the vertical direction.



iii. Xylem parenchyma :

- Its stores food.

iv. Xylem fibers :

- They mainly support the plant.

