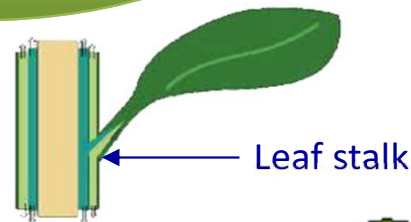
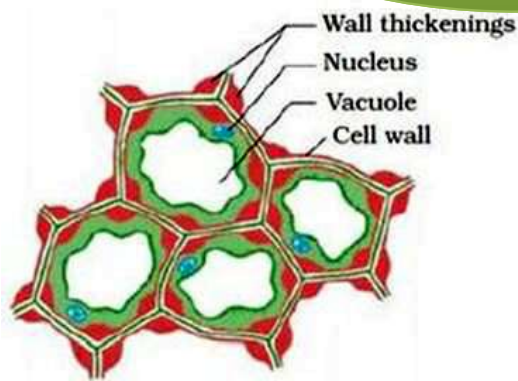


Simple permanent tissue

iv. Collenchyma :

- ◆ The cells of this tissue are living, elongated and irregularly thickened at the corners with cellulose.
- ◆ This tissue is located below the epidermis.
- ◆ It gives flexibility to various parts of plants like leaves, stem and petiole.
- ◆ It also provides support to young plants.



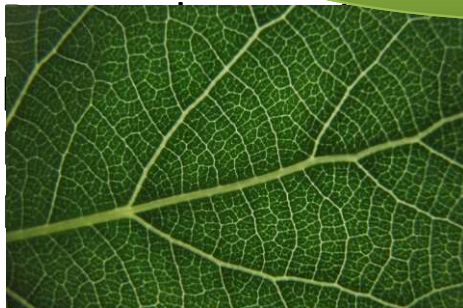
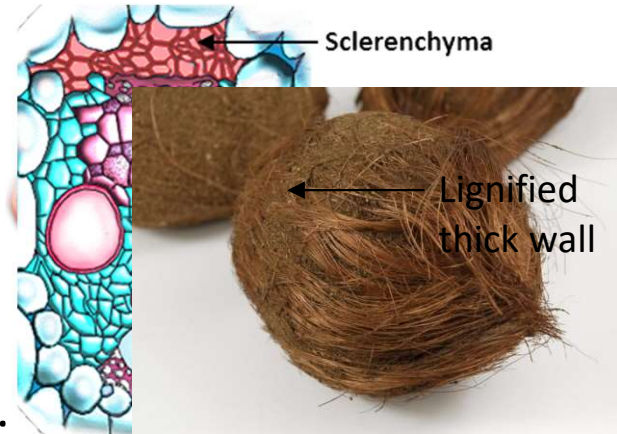
Simple permanent tissue

v. Sclerenchyma :

- ◆ The cells of this tissue are dead. They are elongated and narrow.
- ◆ The cell walls are thickened due to deposition of lignin. It acts as cement and hardens the walls.
- ◆ The walls are so thickened that there is no internal space inside the cell.
- ◆ They are found around vascular bundles, in the hard covering of seeds, and in the hard covering of some fruits.

An organic substance binding the cells.

Xylem and phloem



Simple permanent tissue

v. Sclerenchyma :

- ◆ Linen a fine cloth made from sclerenchyma fibres of Flax plant.

