

Sensation in plant



Defination

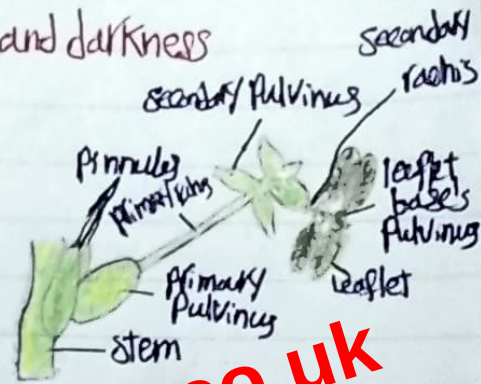
Sensitivity: It is the suitable response of the living organism to the internal and external stimuli to maintain its life.

Sensitivity in plants includes:

- 1) Response to touch and darkness
- 2) Tropism

Response to touch and darkness

This phenomenon is obvious through our observation to Mimosa plant.



The pulvini has the main role for this phenomenon and they have a thinner and more sensitive lower part than those of the upper part.

When the leaflets are touched or in darkness:

The lower surfaces of the pulvini shrink and the cell's permeability leading to the movement of the water to the neighbouring cells until it reaches the stem, which leads to the:

(by osmosis)

- 1) The primary rachis bending downward.
- 2) Drooping of the secondary rachises.
- 3) The bending of the leaflets.

