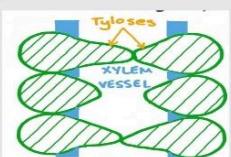
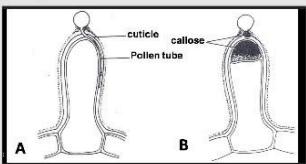


Plant Defences

Physical defenses

Callose:

- first physical defense line of plants against environmental stress.
- located on the cell membrane.
- its role is to restrict pathogen spread and strengthen cell walls.
- located between plasma membranes & within plasmodesmata.
- physical barrier slows pathogen invasion and restricts their movement between cells.



Defense against herbivores:

Thorns & spines:



Trichomes:

- small hair-like structures
- can make it hard for herbivores to reach the plants' edible parts / even cut them

waxy cuticle:

- waxy outer layer on leaves
- makes them slippery and unpleasant to eat