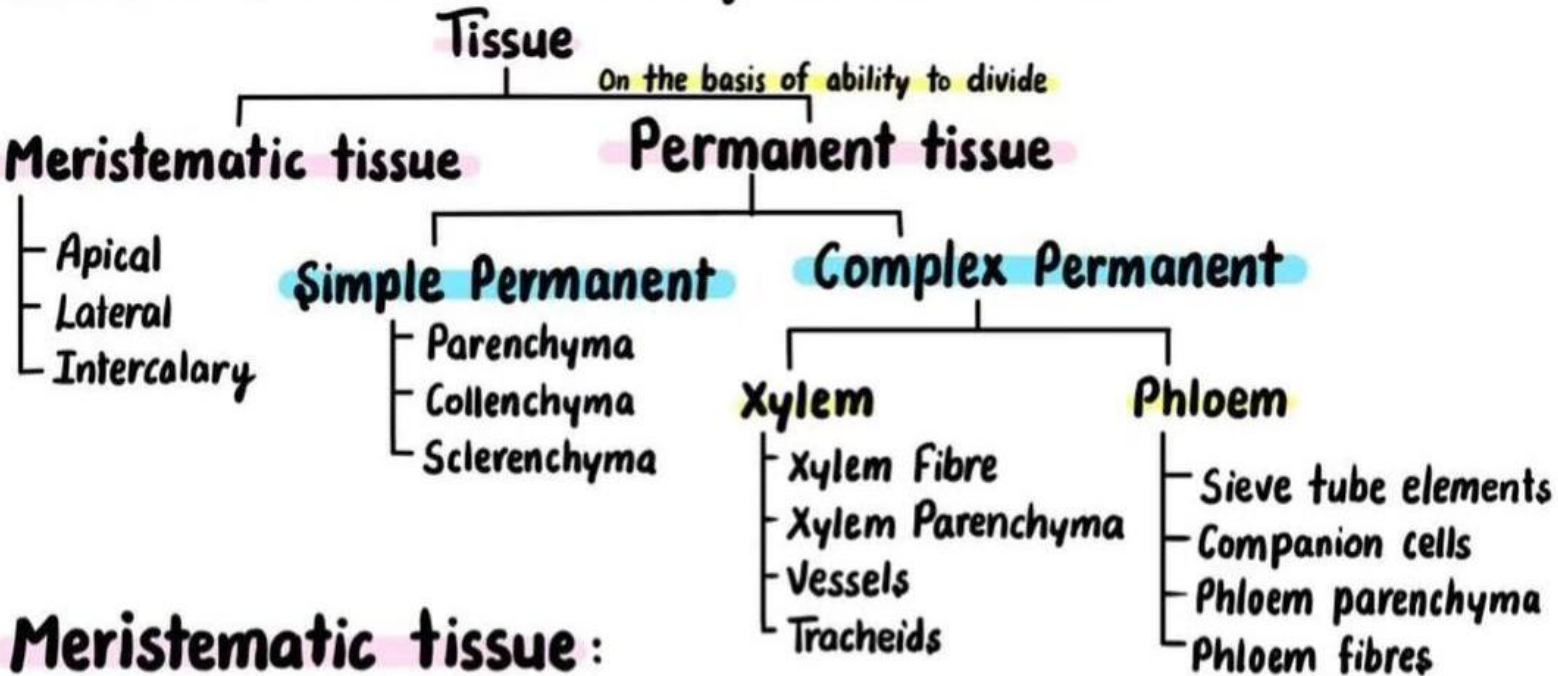


Anatomy of flowering Plants

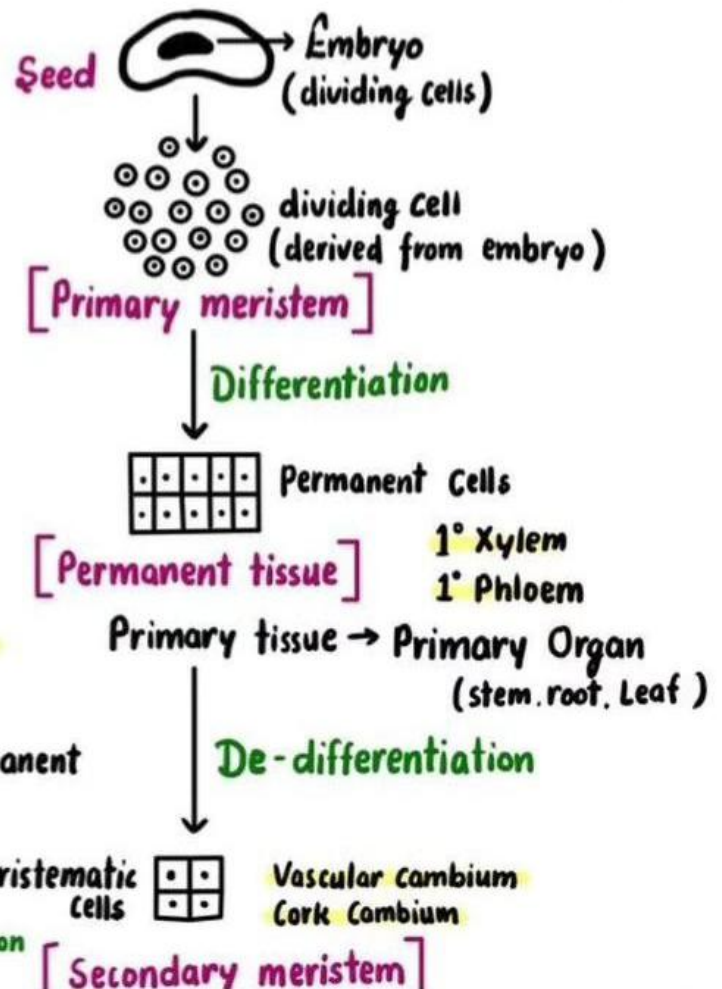
Anatomy: Study of internal structure

Tissue: Group of cells have common origin and similar function.



Meristematic tissue:

- Meristem - Group of dividing cells
- Features of meristematic cells:
 - Small size
 - Cell wall thin (1 cell wall)
 - Shape - Oval/Round
 - Vacuole absent or very small
 - Dense cytoplasm (max. activity)
 - Multiple plasmodesmic connections.
 - Nucleus/cytoplasmic ratio high
 - Intercellular space absent



Meristematic type on basis of Location

- **Apical** - on shoot tip and Root tip
- **Intercalary** - it is separated from Apical by permanent
- **Lateral** - present in mature tissue (Root, stem)