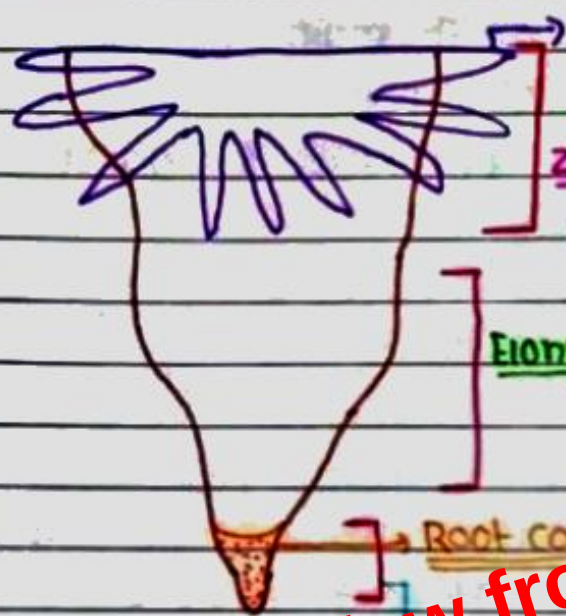


Region of Roots:-



Root Hair:- increase surface area for absorption of water & minerals

Zone of maturation - differentiate cells, cell-wall $\rightarrow$ lignified

Elongation:- Vacuolation 2^o cell wall, growth of Root in length

Root cap:- protection of Root

parenchymatous tissue

meristematic tissue

primary cell wall, dense cytoplasm, more plasmodesmata, dividing zone, T.M activity

Modification of Roots:-

1) prop roots: Arise from branches of stem for providing mechanical support to heavy branches.
eg:- Banyan trees

2) Storage Roots:- modified tap roots
eg:- carrot, Radish, beetroot, turnip, sweet potato
adventitious root $\downarrow$