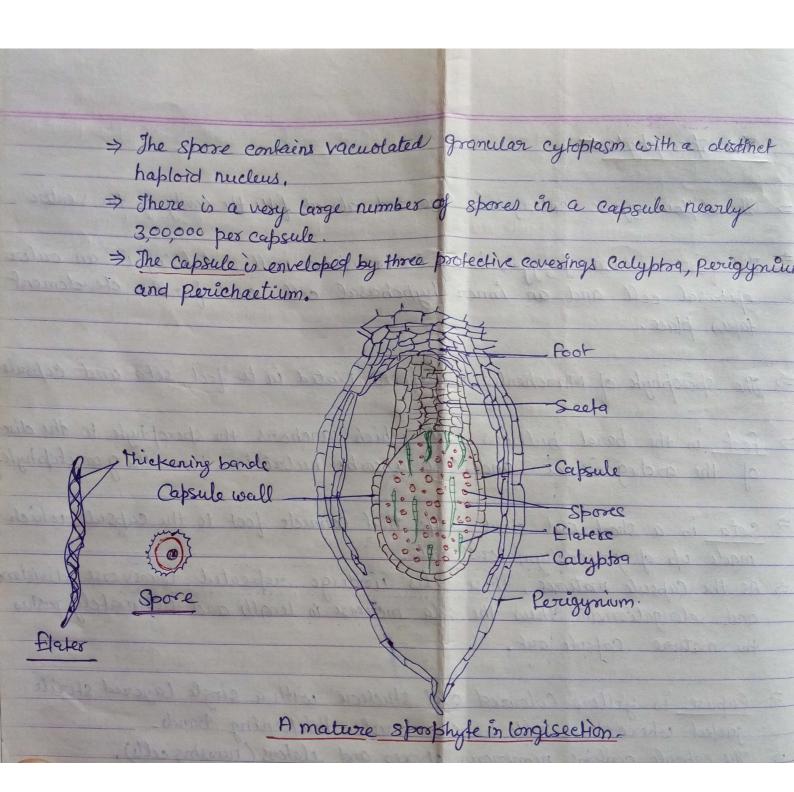
The sporophyte : The diploid sygote enlarges in size and almost fills the cavity of the venter The first clivision of zygote is by a transverse wall resulting in an outer episasal cell and an inner hypobasal cell and further developent fakes place, > The spoophyte of Marchentia is differentiated in to foot, seta and capsule > foot is the basel bulbous part which anchors the sporophyte to the disc of the archegoniophose and also absorbs nutrition from the gametophyte. => Seta is a shoot and stout stalk that connects foot to the capsule which made up of povenchymatous cells. As the capsule matures, these cells undergo suspeated transverse divisions and elongation and thus the seta increase in length and ultimately pushes the mature capsule out. => Capuse is yellow Colorared oval stucture with a single layered sterile Jacket where these cells have annular thickening bands. > The eapsule contains permenous spoxes and elaters (nursing cells).



- ⇒ The seta suptwees the Calyptsa by self elongation and the single layered capsule well splits into a variable number of longi tudinal walves.
 - If the thickening bonds and Jesky movements of the elaters due to their hygroscopic nature, assist in loosening up of the spose mass and scattering the sposes in the air.
- > At the time of germination under favourable condition the spore absorb
 Mositure and increase its size on the substratum. The chloroplast reappear at this stage
- The first div. of the spare is parsverse and two unequal cells formed where smaller cell possiduces shizaids and larger undergoes to form 6-8 celled filamentorus structure, and ferther develops a new thallus structure.