

Ityoachimín Faith

Mnena

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MBBS

1 The importance of fungi to mankind and fungi are responsible for the production of many organic matter.

a They are important in food industry.

c Some are parasites to some certain animals

Obnoxious parts: Yeast, C-Parle, Mitochondrion

Nucleus



## Cell Structure of Unicellular Fungus (Yeast)

3 Sexual reproduction in Rhizopus:

This occurs when two mating types of hyphae grow in the same medium. Chemical interaction in the field

Mating types of hyphae induces growths perpendicular to the hyphae in opposite directions. These growths are determined by a coil such that many nuclei are isolated in what is called a gametangium.

The two gametangia fuse (plasmogamy) and a zygote is formed which may undergo prolonged dormancy or resting stage. The nuclei in the zygotes fuse in two and undergo meiosis independently. The zygote germinates under favourable conditions to produce a fruiting which at maturity liberates the haploid spores.

4 Ways bryophytes adapt to their environment.

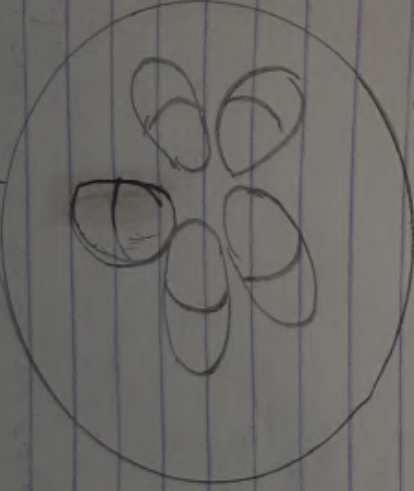
a They have definite structures for water and nutrient absorption from the soil.

The aerial portion being exposed to the atmosphere demands

Some modifications that prevent excessive loss of water through the body surface.  
C. They have a modification that permits elimination of excess water from the plant body.

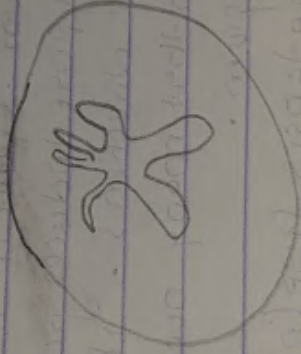
Bj Vascular Bundles :- The vascular organization in dicotyledonous plant in which the vascular bundles are arranged in concentric collateral bundles of xylem and phloem.

6 Life

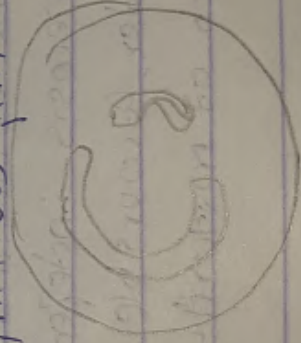


### Eustele

ii Atactostele :- The vascular organization in grasses and many monocotyledons in which the vascular bundles are scattered.



iii Siphonostele :- In ~~more~~ the stele is a cylinder enclosing a parenchymatous pith.

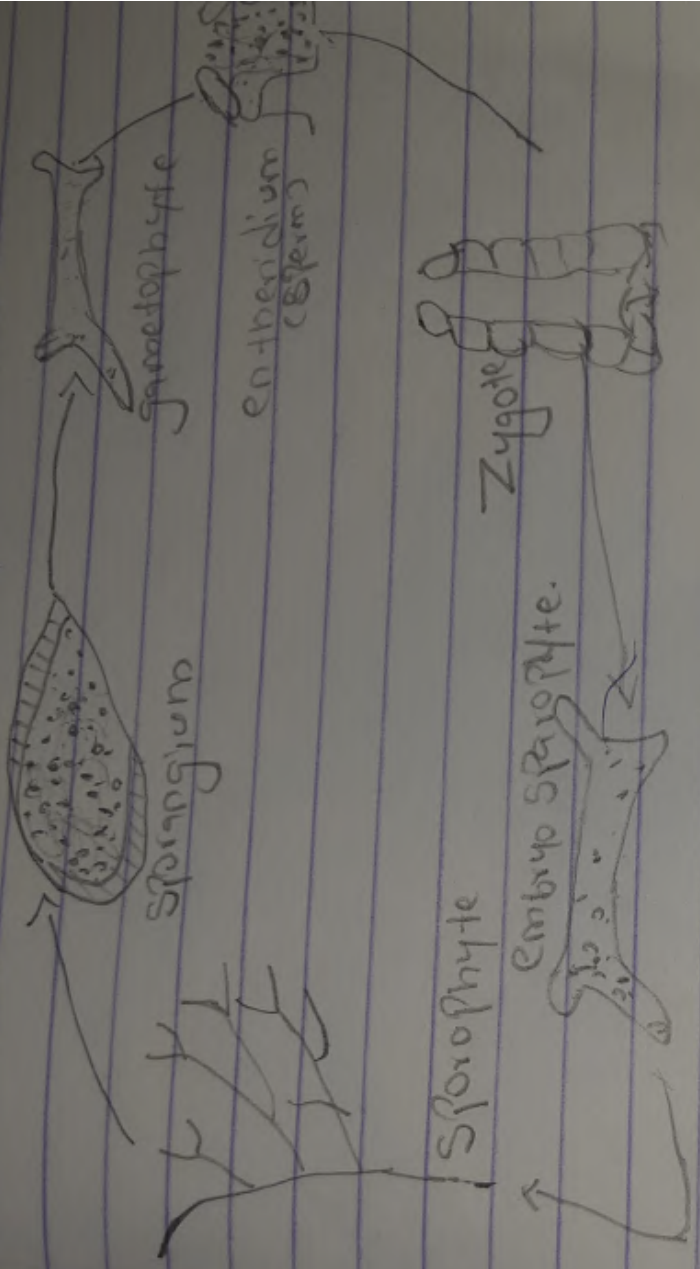


iv Dictyostele :- In siphonostele, vascular supply to leaves is associated with leaf gaps and the conducting cylinder is a dissected one.

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### Dictyostele.

Life Cycle of a primitive plant. (Psilotum)



A sketched life cycle of a Psilotum.