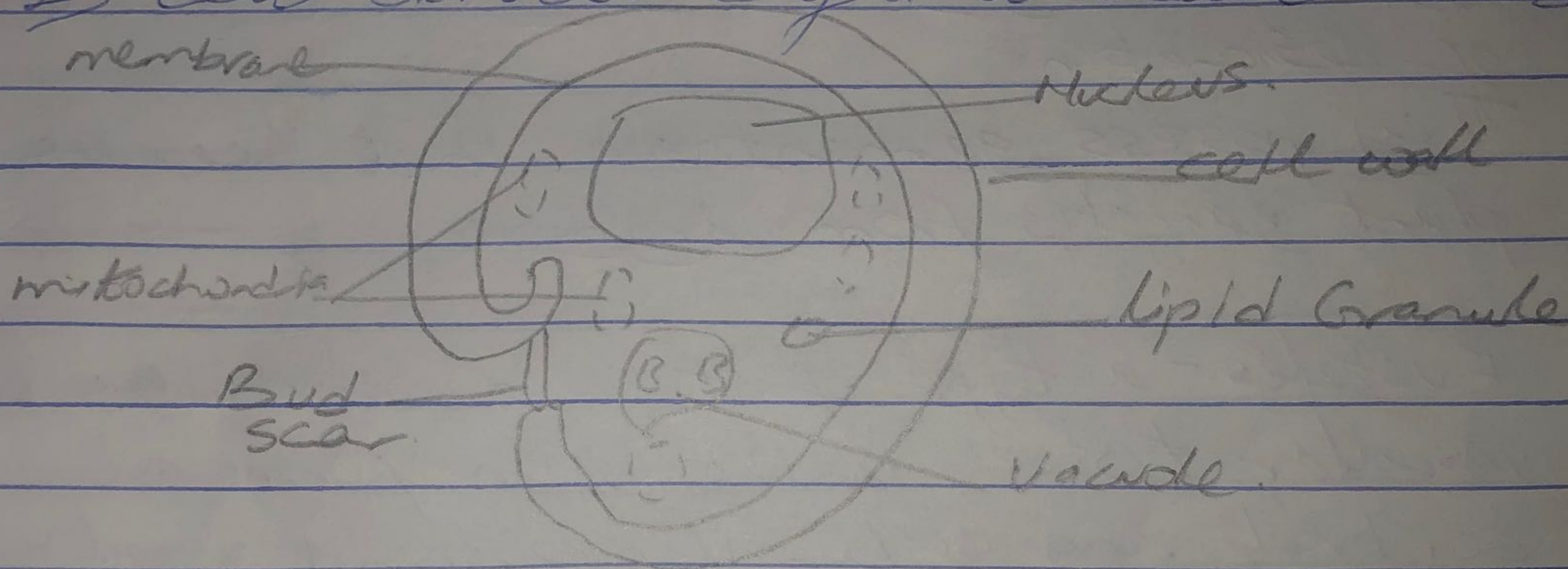


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1) Reasons fungi is important to man:

- a) They are eaten by man (mushrooms)
- b) Yeast is used in food industries
- c) Some fungi are parasites to obnoxious pest of man.
- d) They are responsible for decay of organic matter.

2) Cell structure of a Unicellular Fungus



3) Sexual Reproduction in filamentous fungi.
like ^{two} Rhizopus Stolonise.

- 1) The mating hyphae grow in the same medium
- 2) A chemical interaction between them causes growth perpendicular to hyphae in opposite directions, so they meet one another
- 3) The growers are then delimited by a wall called gametangia.
- 4) The gametangia fuse in a process called plasmogamy and they form a zygote which undergoes karyogamy for this period.

5) The nuclei in the zygote fuse in twos and undergo meiosis.

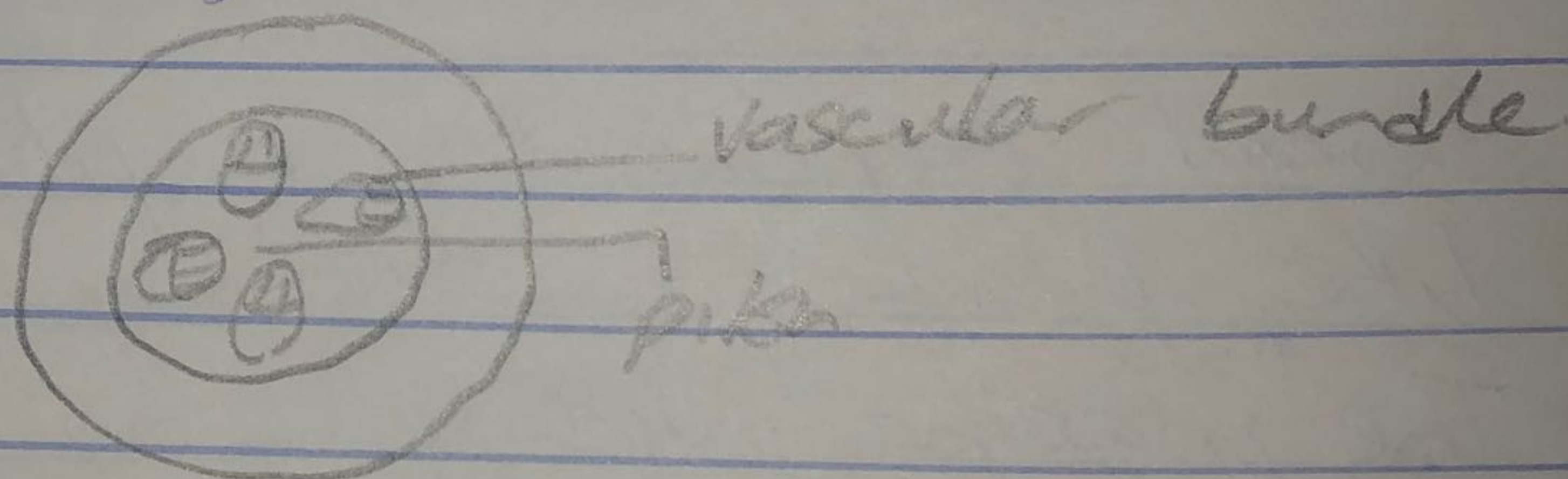
4) Bryophytes are able to survive in their habitats because:

i) They possess definite structures for water and nutrient absorption from soil.

ii) They also possess waxy cuticle that keep them from drying out through the process of desiccation.

iii) They possess gametangia that keep the plant gametes from drying out.

5) A Eustele - a type of stele in which the vascular tissue in the stem forms a central ring of bundles around a pith.



B) Atactostele - a type of stele found in monocots, in which the vascular bundles in ~~the~~ the stem exist as scattered bundles.

