

CANCEL

SAVE

Name: Onodje Oghenefejiro Lisa

Department: Pharmacy

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Course: Bio 102.

1. Eichler classified the plants into two sub-kingdoms:

A. Cryptogamae are flowerless and seedless plants. They are simple and flowerless plants like algae, mosses and ferns which do not produce flowers, fruits and seeds. Cryptogams are considered as lower plants.

B] Phanerogamiae are seed bearing plants. So they are also known as spermatophytes. They are higher plants. The plant body is differentiated into roots, stem and leaves with well developed vascular system. Examples are angiosperm and gymnosperm.

2a. Important as food for fish

b. They have high iodine content therefore preventing goitre

c. It serves as drugs to ward off diseases

3. Chlamydomonas represent the unicellular and motile form of green algae. They are found in stagnant water. Flagella are the structure for mobility. The cell is



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3. Chlamydomonas represent the unicellular and motile form of green algae. They are found in stagnant water. Flagella are the structure for mobility. The cell is bounded by a cellulose cell-wall, contain organelles. The nucleus carries the genetic programme of the cell. Stigma is for photoreception.

4. They carry out their reproduction vegetative (asexual) or sexual

5a. Pandorina : usually occurs in water bloom. Colony consist of 16 cells attached to one another

b. Volvox: they are more complex than pandorina and have more cells

6. Fucus: a genus of brown algae whose species are often found on rock intertidal zones of the sea shores. The plant body is flattened.

