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1. A. W. Eichler classified the plant kingdom into two, Cryptogamae and Phanerogamae.
2. **Importance of algae to man**
* Algae is used to manufacture medicine.
* It is also beneficial due to its rich source of vitamins and minerals.
* It serves as food to both man and Aquatic animals which also serve as food to man.
* It is also used in the manufacture of iodine.
* It is also used in the manufacture of paper and fertilizers.
* It has various uses to man and is considered one of the most important plants.
1. **Unicellular form of algae**
* The cell is bounded by a cellulose cell wall.
* It contains the nucleus, mitochondria, pyrenoid, etc.
* It possesses flagellum.
* Most unicellular algae that occur often in fresh water
1. It can reproduce both sexually and vegetatively.
2. The Pandorina is simpler than the volvox which is more complex. The Pandorina has 16 daughter cells attached to each other while the Volvox contains thousands of cells connected with cytoplasmic strands. Pandorina reproduces both vegetatively and sexually while the Volvox reproduces only sexually.
3. The complex form of algae discussed is called FUCUS. It has a flattened body with a dichotomously branches thallus with a mid-rib, an Alex, and a multicellular disk with which it attaches itself to the surface of rocks. It also has air bladder which aids the plant to float on water.