

① Classify plants according to Eichler's grouping of 1883. A system of plant taxonomy, the Eichler's system was the first phylogenetic (phyletic) or evolutionary system. He gave a system of classification for the whole plant kingdom. Eichler classified the plant kingdom into two sub-kingdoms. They are Cryptogamae and Phanerogamae.

① 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.

② Phanerogamae 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 a well developed vascular system. Examples are Angiosperm and gymnosperms.

② How are algae of importance to man?

① Ornamental uses

② Alginic acid, algin and mannitol which is used in the production of dyes, buttons and combs.

③ Medicines and minerals

④ Direct use of algae as food for man

⑤ As a source of agar in the production of ice-cream, jellies, desserts etc.

⑥ Manufacture of Fodder

⑦ Used as fertilizer.

⑧ Manufacture of soaps and alums

③ Describe a unicellular form of Algae.

Unicellular form of algae are also called acellular algae as they function as complete living organisms. Unicellular forms are common in all the groups of



