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**ASSIGNMENT**

1. A plant taxonomy, the Eichler’s system was the first phylogenic (phyletic) or evolutionary system. The system was based on dividing the plant kingdom.

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| DIVISION | CLASS |
| Thallophyta | Phycotinae (Algae)  Mycotinae (Fungi) |
| Bryophyta | Hepaticae (Liverworts)  Musci (Mosses) |
| Pteridophyta | Psilotinate (Psilotum)  Lycodinae (lycodonium, Selaginella)  Equisetinae (Horsetails)  Filicinae (Ferns) |
| Spermatophyta | Gynospermae (Gynosperms)  Angiospermae (Angiosperms) |



* Certain species of algae are harvested for food and cosmetics in the far East.
* It serves as food for people and livestocks.
* It serves as thickening agent in ice cream and shampoo industries.
* It serves as drugs to ward off disease.
* Algae are considered nutritious because of their high protein content and high concentration of minerals.

1. Chlamydomonas represents the unicellular and motile forms of green algae and they are also called acellular algae.
2. It undergoes both sexual and vegetative reproduction. Its vegetative reproduction results in the production of daughter cells through mitotic division. In chlamydomonas, a cell about to divide loses its flagella and then undergoes mitotic division leading to 2 nuclei and then the daughter cells (zoospores) are released.

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| VOLVOX | PANDORINA |
| There are more cells in the volvox which may run into thousands. | This colony consists of 16 cells attached to one another. |
| During reproduction, only the gonida divides to form new colonies. | During reproduction, all cells are involved. |

1. A complex form of alga is called the brown algae-FUNGUS, in such complex plant bodies, cells are differentiated to perform various functions. The fungus is a genus of brown algae whose species are often found on rocks in the intertidal zones of the seashores.

The body is flattened, dichotomously-branched thallus with a midrib, a vegetative apex and a multicellular with which plant is attached to rock surface. The plant body also has air bladders which is believed to aid the plant to float on the water.