

AQUATIC PLANTS

Dr. F. Sertel SEÇER

- **1st Week** Classification of aquatic plants, economic importance, beneficial and harmful effects for aquatic environment
- 2nd Week Chlorophyceae class macroalgae and their characteristics
- 3rd Week Macroalgae of the class Phaeophyceae and their characteristics
- 4th Week Macroalgae of the class Rhodophyceae and their characteristics
- 5th Week Charales order of flowerless aquatic plants and their characteristics
- 6th Week True mosses and liverworts Lycopsidea, Sphenopsida and Pteropsida
- 7th Week Angiosperms; Monocotyledonous and dicotyledonous aquatic plants -
Reproduction in aquatic plants
- 8th Week Chemical structure of freshwater plants Chemical structure of marine plants
- 9th Week Production of edible freshwater plants Production of edible marine macroalgae
Porphyra and Undaria
- 10th Week Animal feed production from marine macroalgae
- 11th Week Evaluation of marine macroalgae as fertiliser
- 12th Week Agar production from red macroalgae Distribution of aquatic plants
- 13th Week Flour production from marine plants
- 14th Week Utilisation of aquatic plants in wastewater treatment: the example of duckweed

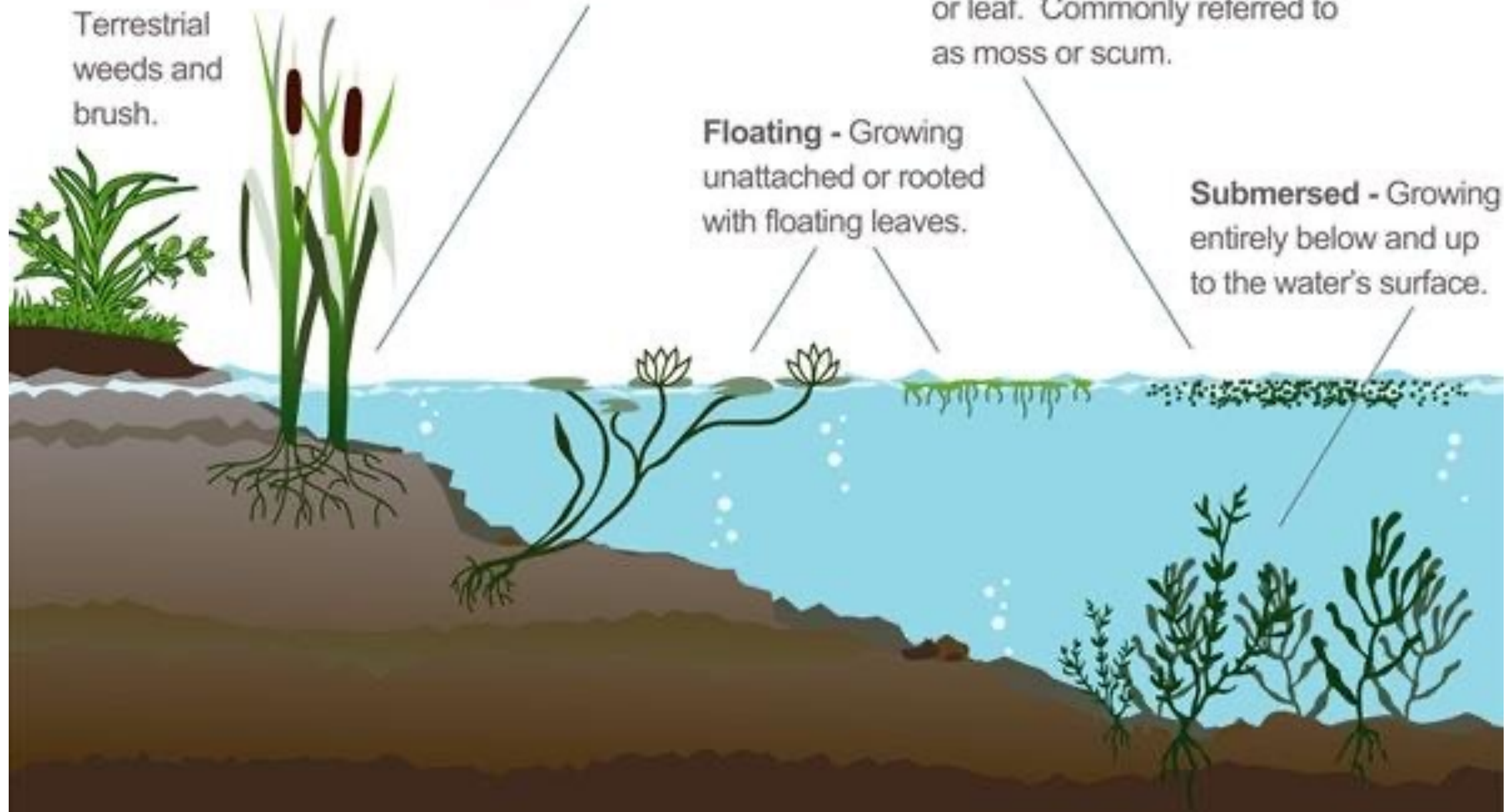
Emerged - Growing in shallow water with leaves or stems above the water's surface.

Algae - Cellular, lower weed form. No distinguishable stem or leaf. Commonly referred to as moss or scum.

Floating - Growing unattached or rooted with floating leaves.

Submersed - Growing entirely below and up to the water's surface.

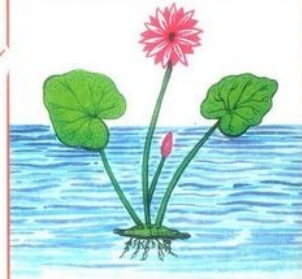
Terrestrial weeds and brush.



WATER PLANTS

CHART

CHART NO. 144



NYMPHAEA



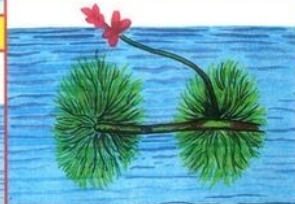
WATER LILY



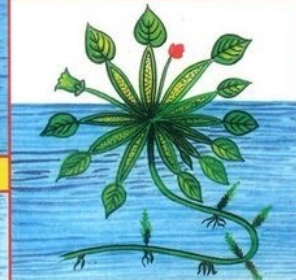
LOTUS (NELUMBO)



VALLISNERIA



UTRICULARIA



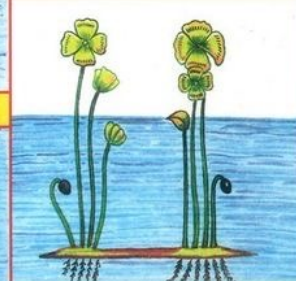
TRAPA



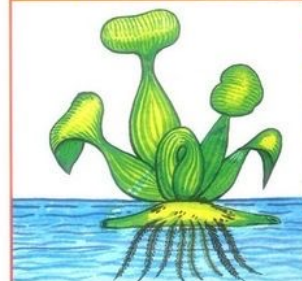
RANUNCULUS



HYDRILLA



MARSILEA



EICHHORNIA



ISOETES



PISTIA

PRINTED AT - ENGINEER ENTERPRISES

Types of Plants / Plants Classification



Terrestrial Plants

Aquatic Plants

Algae



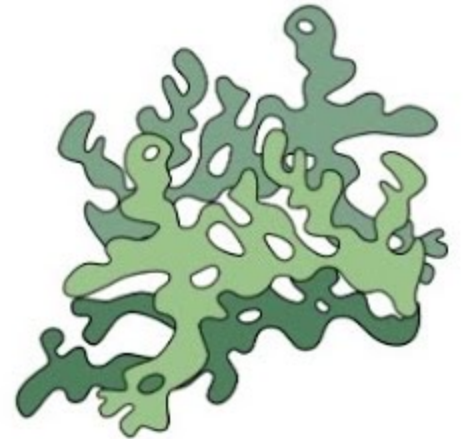
Floating



Submersed



Emergent



Classification of Aquatic Plants

☐ Three divisions

- ▮ Chlorophyta (Green Algae)
- ▮ Phaeophyta (Brown Algae)
- ▮ Rhodophyta (Red Algae)

☀ Most are multicellular

Body is called a thallus - lacks conductive tissue, true roots, stems, and leaves

(un differentiated)

☀ Some are:

- A. unicellular
- B. filamentous
- C. colonial

