

Bhavan Vidyalaya, Chandigarh

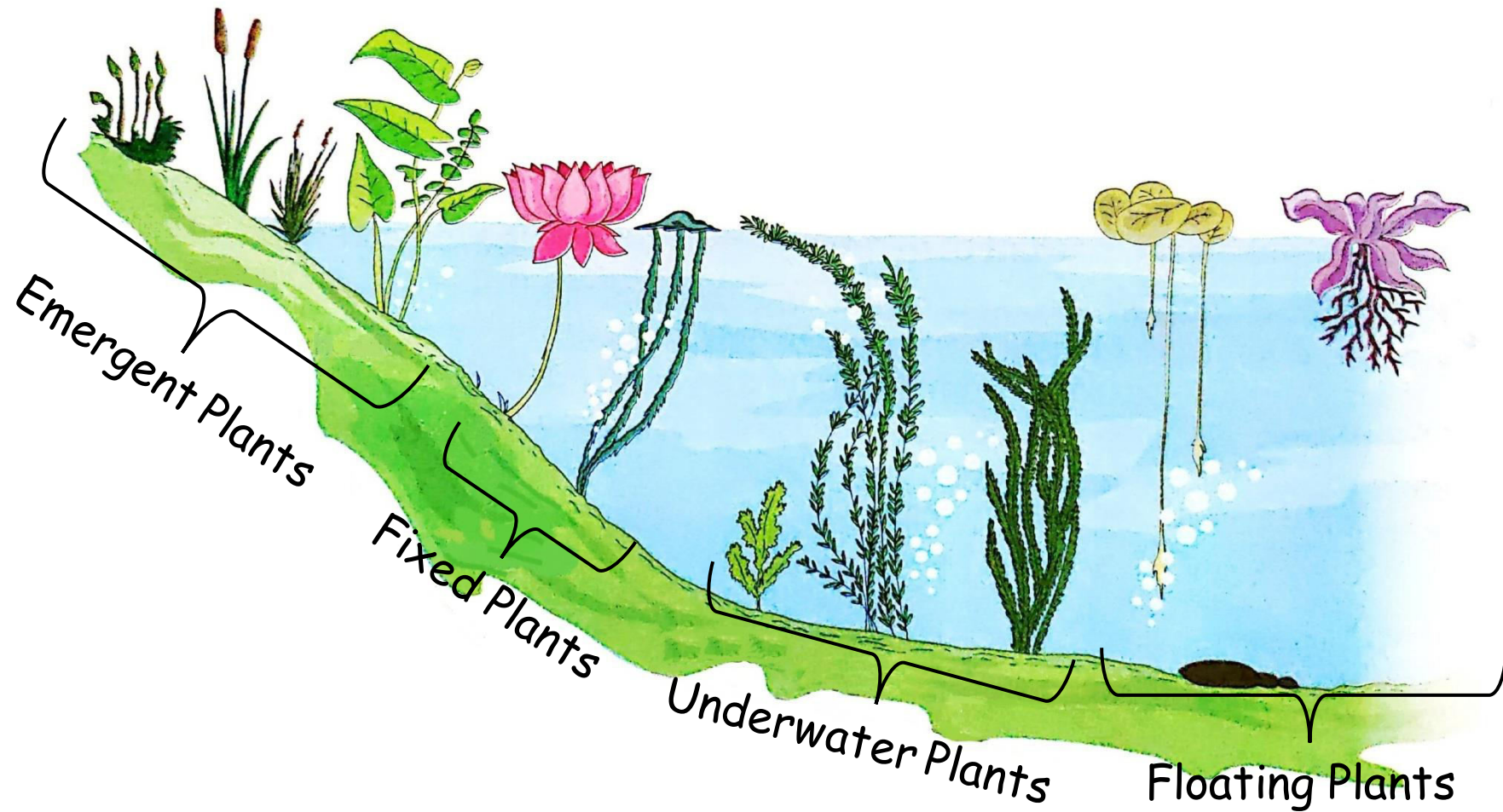
Science

Aquatic Plants

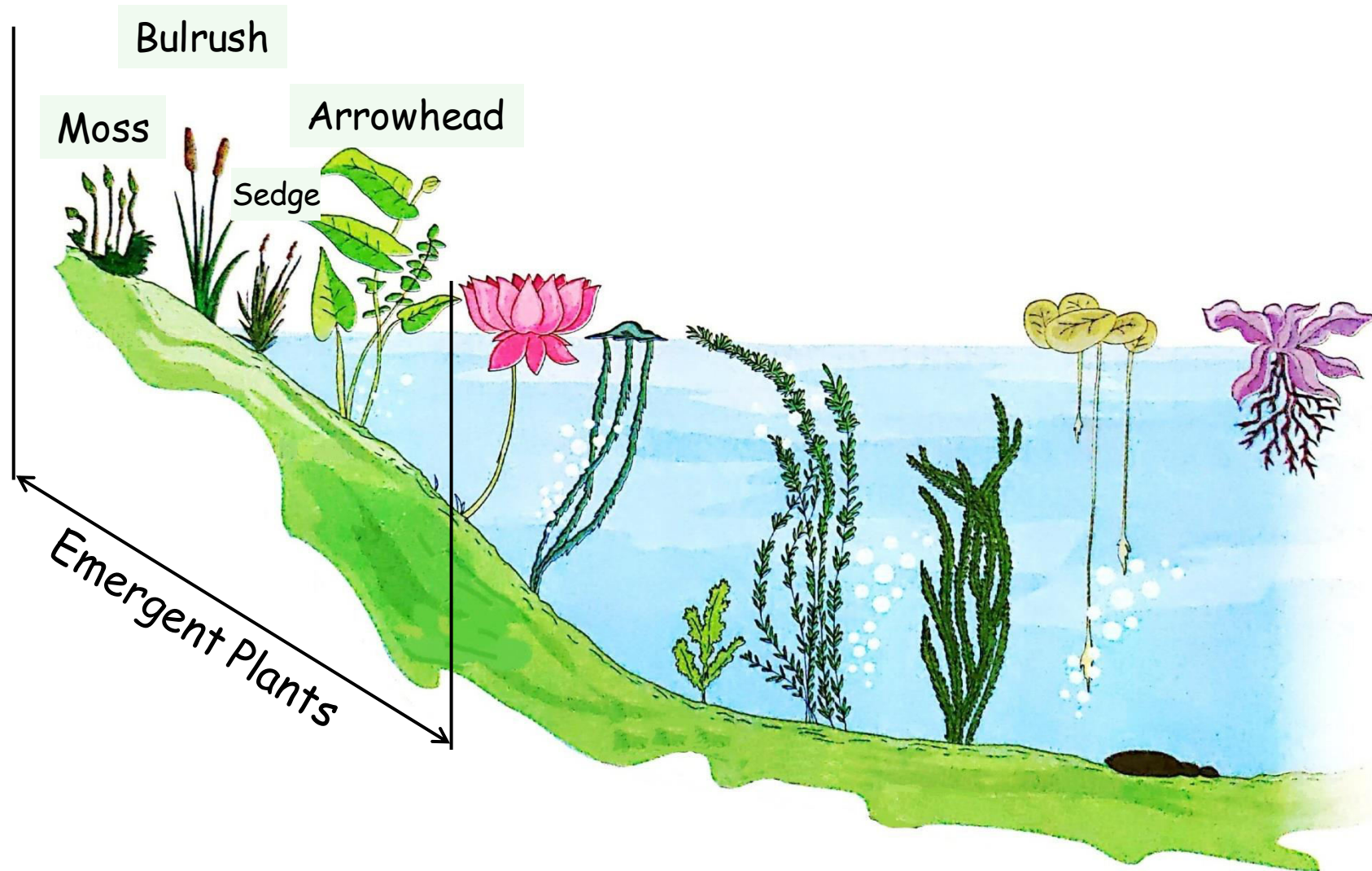
By :-

Ms Jyotika Guleria

Aquatic Plants



Emergent Plants



Aquatic Plants

Emergent Plants



Bulrush / Cattail



Arrowhead



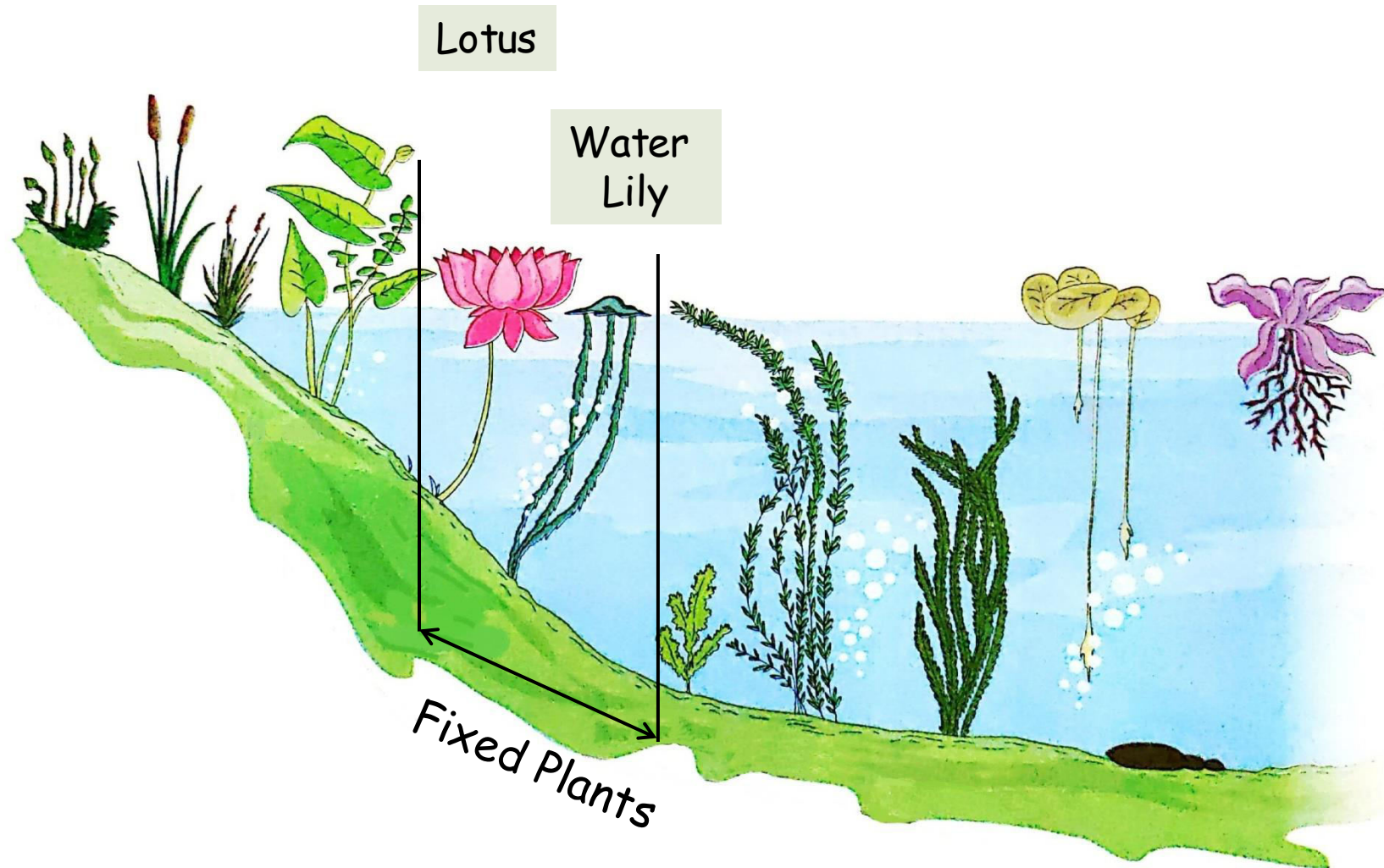
Sedge

Adaptations shown by emergent plants:-

- **Roots** are **fixed in the soil** of the shallow water bed.
- **Leaves and stems extend out** of the surface.

Aquatic Plants

Fixed Plants



Aquatic Plants

Fixed Plants

Adaptations shown by fixed plants:-

- Fixed to the water bed with the help of **strong roots**.
- Long **hollow stalks** that keep the flowers and leaves floating on the surface of the water
- **Leaves** have a **waxy coating** that prevents them from rotting.
- Leaves have **stomata on the upper side**.



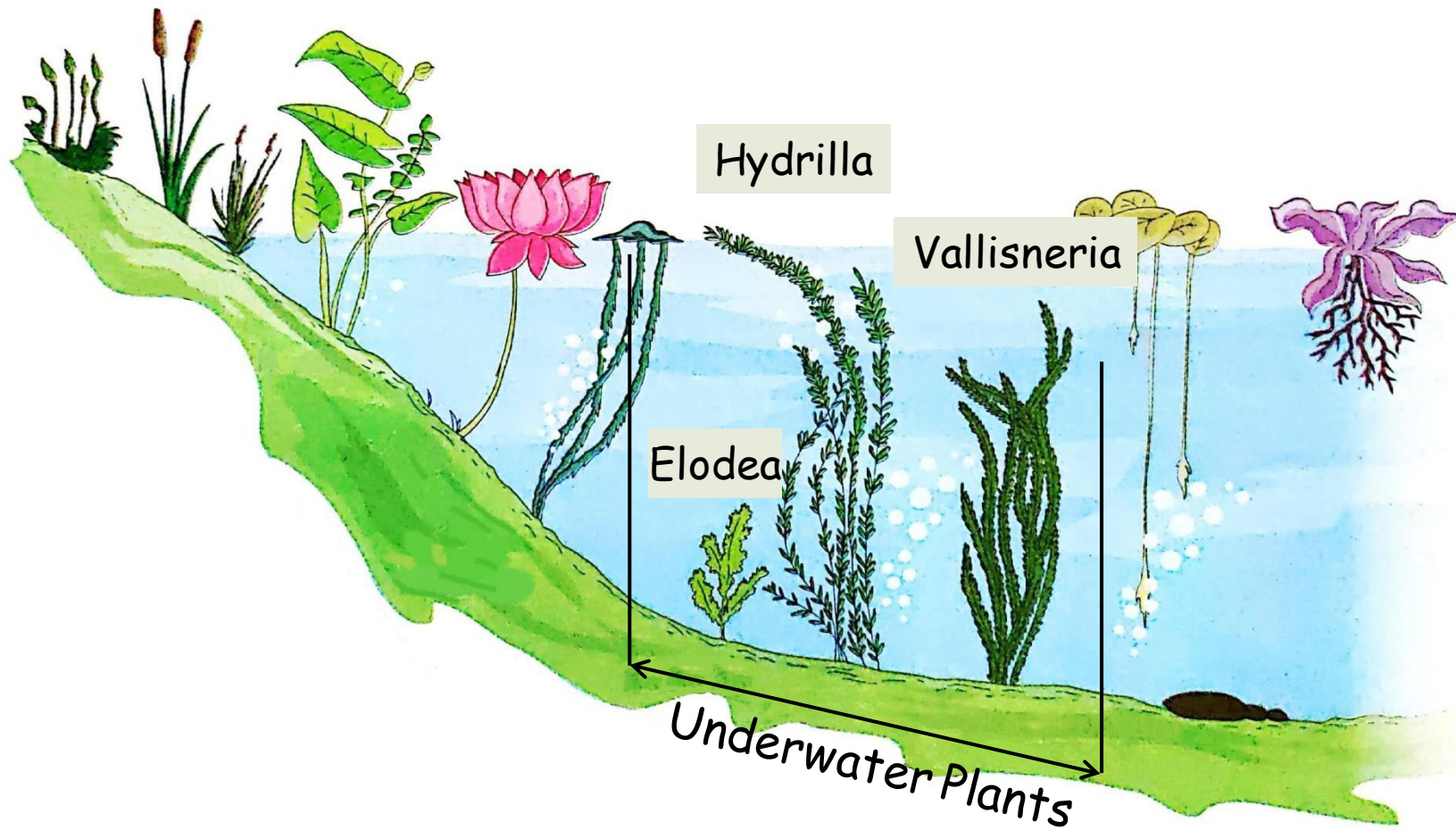
Water Lily



Lotus

Aquatic Plants

Underwater Plants



Aquatic Plants

Underwater Plants



Hydrilla



Vallisneria



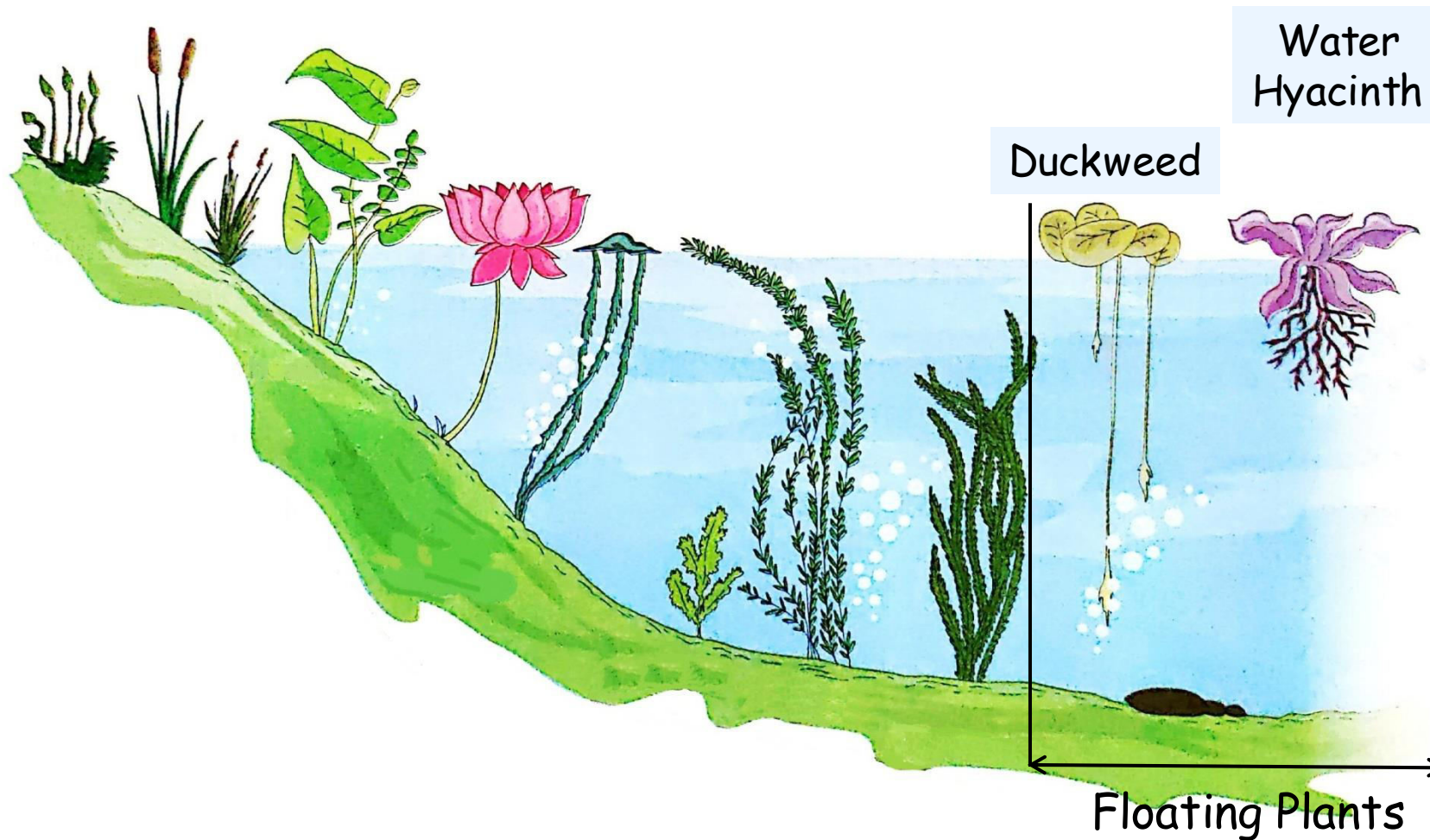
Pondweed

Adaptations shown by underwater plants:-

- Remain **completely submerged** in the water.
- Have thin narrow **ribbon like leaves**.
- Leaves **do not have stomata** but they take in carbon dioxide from the water through their body surface.
- Underwater plants **give out oxygen** during photosynthesis which keeps the aquatic animals alive.

Aquatic Plants

Floating Plants



Aquatic Plants

Floating Plants



Duckweed



Water Hyacinth



Water Lettuce

Adaptations shown by floating plants:-

- Plants that **float on water** are called floating plants.
- **Small and light** in weight.
- Float on water because they have **air filled inside their stems**.
- **Roots absorb nutrients from the water**.

Aquatic Plants

Emergent Plants



Bulrush

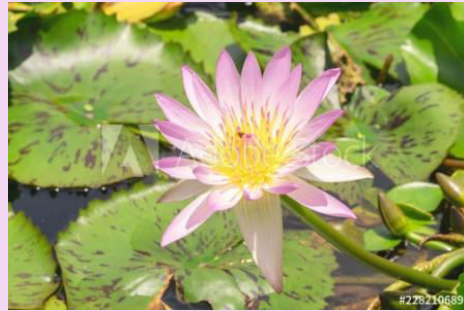


Arrowhead



Sedge

Fixed Plants



Water Lily



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Pondweed

Floating Plants



Water Hyacinth

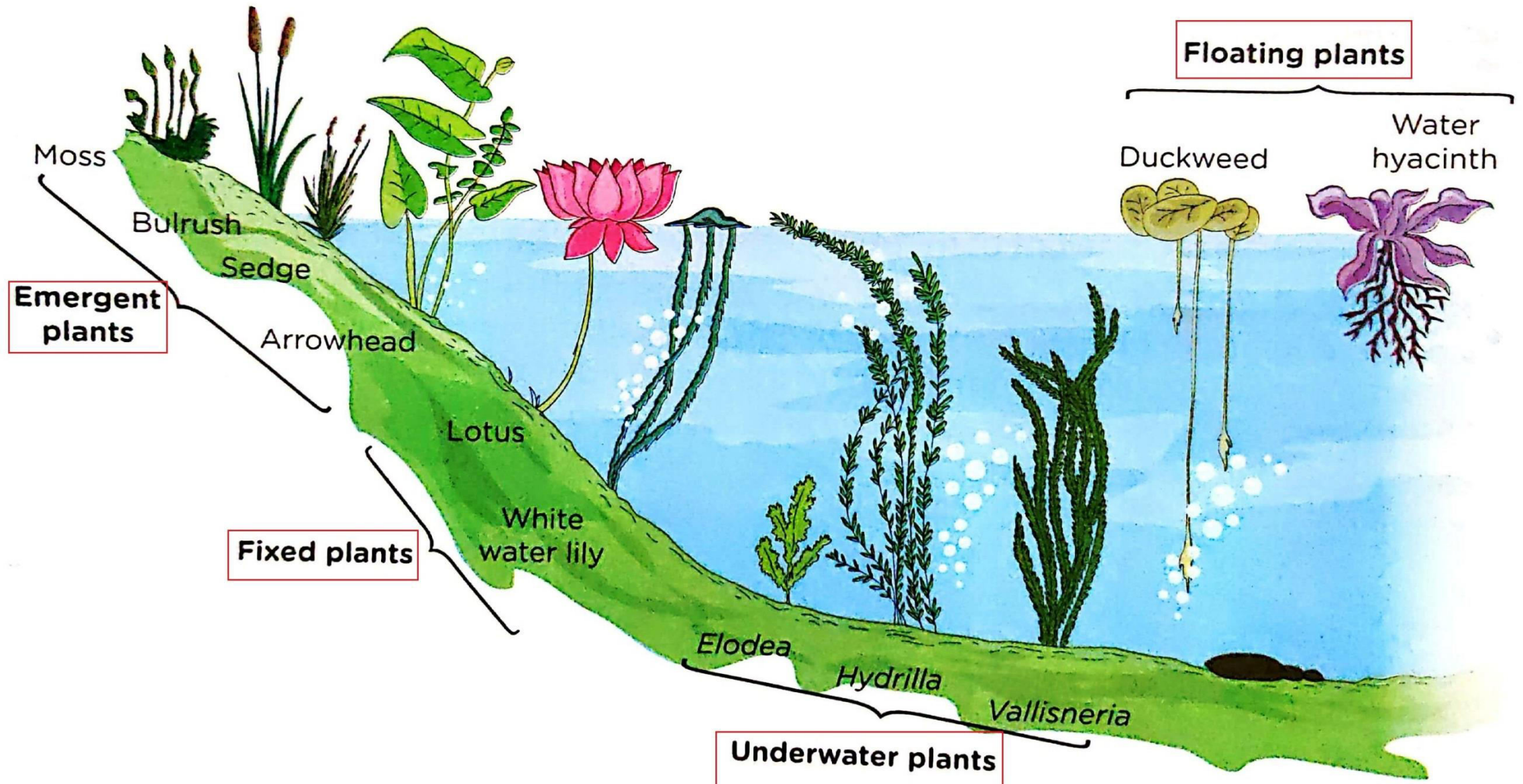


Duckweed



Water Lettuce

Aquatic Plants



Aquatic Plants

