

WELCOME TO THE ONLINE CLASS

SESSION NO.: 3

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 7

**CHAPTER NAME: PLANTS- LIVING AND
SURVIVING**

SUB TOPIC: AQUATIC PLANTS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **classify plants according to their habitats.**
- **analyse how plants are adapted to their environment.**

RECAPITULATION

- Desert plants prepare its food in its _____.
- How does plants in desert area retain its moisture?
- The trees that grows in wet and clayey soil are called _____.



PLANTS SURVIVING IN WATER

- Plants that grow in water are called aquatic plants.
- many small and big plants grow in a pond , sea, river or ocean.
- among them, some float on water while others grow completely underwater.



TYPES OF AQUATIC PLANTS

- Aquatic plants are of three types—

1. Floating plants

2. Fixed plants

3. Underwater plants.



FLOATING PLANTS



FIXED PLANTS



UNDERWATER
PLANT

FLOATING PLANTS

- These plants float because they are either light or small in size.
- Duckweed, water lettuce and water hyacinth are some such plants.
- These plants protect small water animals from the heat of the sun.



DUCKWEED



WATER LETTUCE



WATER HYACINTH

FIXED PLANTS

- Some plants are fixed to the bed of the pond.
- You must have seen plants like the lotus and the water lily.
- The stem of the lotus is hollow and light which keeps the leaves and the flowers afloat, this is also used to make tasty dishes.
- The leaves are broad and have stomata only on the upper side.
- These broad, floating leaves provide a nesting place for some tiny birds.



UNDERWATER PLANTS

- Plants like tape grass and pondweed remain under water.
- These plants have long, ribbon like, narrow leaves.
- These leaves arise in clusters from the roots and have no stomata at all.
- They breathe through their body surface.
- These plants clean the water by removing the carbon dioxide breathed out by aquatic animals like fish and turtles.

This is why we put such plants in aquariums.



SUMMARY

- Plants that grow in water are called aquatic plants.
- Aquatic plants are of three types : fixed plants, floating plants and underwater plants.
- Floating plants float because they are either light or small in size. For ex: duckweed, water lettuce and water hyacinth.
- Some plants are fixed to the bed of the pond. For ex: lotus and the water lily.
- Plants like tape grass and pondweed remain under water.
- These plants have long, ribbon like, narrow leaves.



Q1. Which plant has a hollow stem and used for making tasty dishes?

Ans: Lotus

Q2. Plants that grow in water are called as

Ans: aquatic plants

Q3. Plants like _____ and pondweed remain under water.

Ans: tape grass

HOMEWORK

- **Draw the pictures of various aquatic plants in your notebook.**

LEARNING OUTCOME

The learner will be able to:

- **classify plants according to their habitats.**
- **analyse how plants are adapted to their environment.**

THANKING YOU
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