

# 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**

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**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**  
**ODM EDUCATIONAL GROUP**