

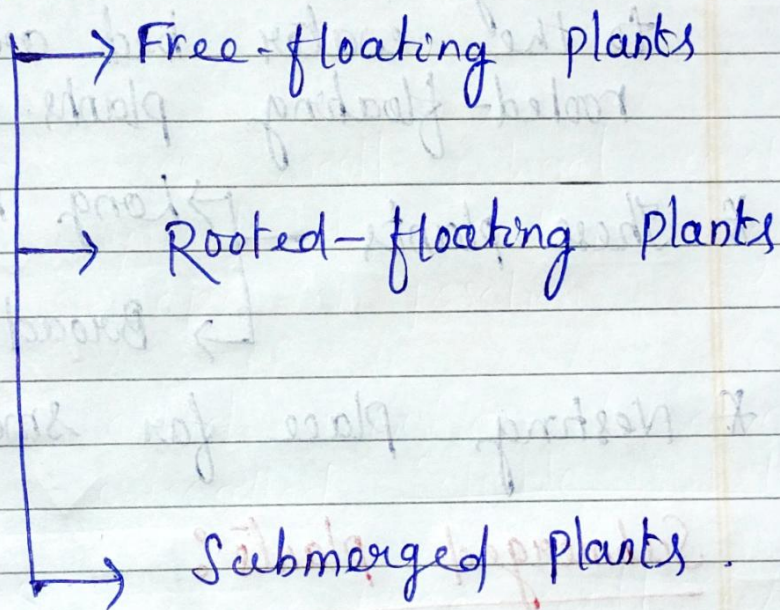
23/12/21
Thursday

Ch-15 Aquatic Life

Date
Page

①

- * Aquatic plants can be divided into three groups on the basis of how they grow.



Free-floating plants:

- * Plants that float on water are called free-floating plants.
- * Mostly found on ponds and lakes.
- * They protect small water animals from the hot sun.

Rooted-floating plants:

* Floating plants whose roots are fixed to the water bed are called rooted-floating plants.

* These plants —
 → Long hollow stems
 → Broad floating leaves.

* Nesting place for small birds.

Submerged plants:

* Plants that grow under water are called submerged plants.

* Fixed to the water bed.

Aquatic animals:

- Fish
- Crustaceans [Lobsters, Shrimps, Barnacles, Crayfish, crabs]
- Water Birds [Ducks]
- Mammals [whales, Dolphins]

* Fish and crustaceans breathe through gills.

* water birds and Mammals breathe through lungs.

Mosquitoes and Malaria :

* Mosquitoes are parasitic insects.

* They feed on human and animal blood.

* Breed in stagnant water.

* They spread diseases like malaria and dengue.

Malaria caused?

* It is caused by protozoan.

* It is carried by the female anopheles mosquito.



Mosquito bites → Person suffering from malaria

↓
Protozoa are sucked up with the blood

↓
That Mosquito bites a healthy person

↓
The protozoa are into this person's blood

↓
Cause Malaria.

Malaria caused by

* It is caused by protozoans
* It is caused by the female anophel

① Answer these questions:

① List different types of aquatic plants.
Give examples for each.

Ans:

Aquatic plants

Examples

→ Free-floating plants

- Duckweeds

- water lettuce

- water hyacinth

→ Rooted-floating plants

→ lotus

→ water lily

→ Submerged plants

- Hydrilla

- Vallisneria

- Tape grass

② How are free-floating plants able to float?

Ans: Free-floating plants are able to float with the help of

- spongy stems
- Air-filled parts.

③ How are aquatic animals able to survive in water?

Ans: Aquatic animals are able to survive in water with the help of their special body parts.

example: Fish [Streamlined body]

④ How is malaria caused?

Ans: Malaria is caused by a protozoan which is carried by the female anopheles mosquito.

⑤ How can you check the spread of malaria?

Ans:

- ✗ Do not let water collect in and around your house
- ✗ Use mosquito net or repellent at night

[Practice Test]

A Concrete [T/F]

[5]

① Pibao means drinking water in clay pots along the roadside [T]

② Watermills use water wheel [T]

③ The other name of water wheel is mot [T]

④ Wood is a soluble substance [F]

⑤ Millets require plenty of water [F]

B Match the following: [5]

① Tank irrigation @ Gujarat (4)

② Canal irrigation : b) Plenty of water (5)

③ Density

c) South India (1)

④ Dada Hari Baki

d) Small channels (2)

⑤ Jute

e) Heaviness/Lightness (3)

Fill in the Blanks : [5]

- ① If the density of an object is more than water it will Sink
- ② Pulley is a small wheel with groove around its outer edge to hold a rope in position.
- ③ Substances which mix or dissolve in water are called Soluble substances
- ④ Baolis is a huge well, which has steps to reach to the bottom.
- ⑤ A water wheel is used to lift water from a well

Answer these following.

- ① Write one difference between tank and canal irrigation. [Do on your own]
- ② In which state tubewells are widely used by farmer? [Ans: Punjab]
- ③ What is the use of water wheel?
① lift water from well → used in watermills
- ④ What do you mean by density of an object? [Do on your own]
- ⑤ If the object is less dense will it float or sink? [Ans: float]