



Aquatic Ecosystem

Definition

An ecosystem which exists in a body of water, is known as aquatic ecosystem. The communities of living organisms which are dependent on each other and aquatic surrounding of their environment for their survival exist in the aquatic ecosystem.

The aquatic ecosystem can be divided as...



Marine Ecosystem



Freshwater Ecosystem

A vibrant underwater photograph of a coral reef. The foreground is filled with various types of coral, including branching corals and large, rounded brain corals. Small, colorful fish are swimming around the coral. The water is clear and blue, with sunlight filtering down from the surface, creating a dappled light effect on the reef.

Marine Ecosystem

- Marine ecosystem are the biggest ecosystem, they coverd around 71% of earth's surface and contain almost around 97% of the total water present of earth.

Each ocean represents a stable ecosystem.

- High Amount Of minerals and salts are generally present in the water

The biotic components of an ecosystems are..

**Produc
ers**

**Consu
mers**

**Tertiary
consum
ers**

**Decomp
osers**

red algae also contribute.

(Phytoplankton and algae from the bases of aquatic food webs.

Consumer:- consumers include herbivores and carnivores.

Primary consumer:- primary consumer include zooplanktons, small fishes, etc.

**~~They eat~~ producers.....
(sea plants).**

Secondary consumers:- includes carnivores fishes.

- Tertiary consumer:-**tertiary consumer Include carnivores fishes, shark ,whales etc.that feed on secondry consumers.**

Decomposer:-**decomposer exist on every tropical level,they are mainly bacteria that break down dead organisms.in ocean water ,only bacteria and fungi do the decomposing because the others ~~cannot survive in the~~ extreme condition.**

Freshwater Ecosystems: -

An ecosystem characterized by low-salt content, making a suitable environment for various plants and animals is known as a freshwater ecosystem.

Freshwater ecosystems are a subset of Earth's aquatic ecosystems. They include lakes, ponds, rivers, streams, and wetlands. They can be contrasted with marine ecosystems, which have a larger salt content.

Freshwater ecosystem is defined as having a low salt concentration it is usually less than 1%,

Types of freshwater ecosystem...

Lotic habitats

- In simple terms, the water bodies moving in one direction is known as a lotic freshwater ecosystem. Rivers and streams are common examples of lotic

Lentic habitats

- An aquatic ecosystem within stagnant or still water like ponds and lakes is known as Lentic Freshwater Ecosystem.