

TOPIC

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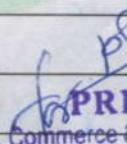
Sub :- Environmental Science.

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## Aquatic Ecosystem

An aquatic ecosystem is an ecosystem in and surrounding a body of water, in contrast to an land-based terrestrial ecosystem. The two main types of aquatic ecosystems are marine ecosystems and freshwater ecosystems.

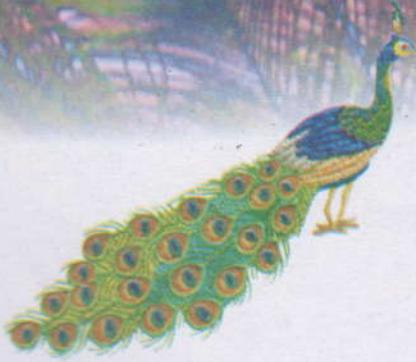
### Features of Aquatic Ecosystem

Salient features of the aquatic ecosystem are highlighted in this figure below-

- Freshwater or saltwater can be used to make them.
- They serve as a home for a variety of aquatic animals.
- The majority of the vegetation is made up of algae and corals.
- They have a lot of biological diversity, which makes them the most productive and healthiest ecosystems on the planet.
- They help regulate the hydrological cycle and act as a pollution filter, among other things.

### Types of Aquatic Ecosystem

In general, there are two types of aquatic ecosystems, namely marine ecosystems and freshwater ecosystem. Both marine and freshwater ecosystem are further



divided under different aquatic ecosystems

Let's take a look at the Aquatic ecosystems and its Type Below.

### 1. Marine Water Ecosystem

This particular ecosystem is the largest marine ecosystem and covers over 70% of the entire Earth Surface. This ecosystem is relatively homogeneous in terms of Salinity.

Moreover, the body of aquatic organisms is best-adapted to Saline Water, and they find it challenging to survive in freshwater. The following categories comprise the marine ecosystem.

### ● Oceans Ecosystem

Pacific Ocean, Atlantic Ocean, Indian Ocean, Arctic Ocean, and Southern Ocean are the five major oceans on earth. Notably, the Pacific Ocean is the largest and deepest of these five, while the Atlantic is the second largest in terms of size. Also the Southern Ocean harbors the largest population of krill among them. Other than that, the oceans serve as home to aquatic organisms like - turtles, crustaceans, plankton, corals, shellfish, blue whale, sharks, tube worms, reptiles, etc.

