

Vidya Bhawan Balika Vidyapith, LKR.

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Ch1-Our Environment

Biotic Environment

The three spheres-lithosphere, hydrosphere and the atmosphere-meet to form a narrow zone of interaction, the **biosphere**, which supports life. So, It includes biotic and abiotic environment both. The biosphere extends From the bottom of the ocean(about 11,000 m below sea level) to the top Of the top of the highest mountains(about 9000m above sea level).

Within the biosphere, all the living organisms, I. e., the producers, Consumers, and decomposers, are interdependent. The **producers or autotrophs** Like green plants can prepare their own food using water, carbondioxide, And sunlight.

Almost all other living beings are directly or indirectly dependent for Their food on plants are known as **consumers or heterotrophs**. **Herbivores, Carnivores** and **omnivores** are the kinds of consumers.

Decomposers are organisms like bacteria which lead to the breakdown Of dead animals and plants.

Energy is transferred from one living thing to another in the form of various **food chains** and many different food chains and many different food chains link up to form **food webs**. All the food webs are delicately balanced. So, if one link in the web is destroyed, all other organisms will be affected.



SUN



PRODUCER
(Plant)



PRIMARY
CONSUMER
(Herbivore)



SECONDARY
CONSUMER
(Carnivore)



DECOMPOSER
(Fungi)

