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Ch1. Our Environment

Interaction between the Components of the Environment

An **ecosystem** is formed by the interaction of all living organisms, that are interdependent and interlinked with each other, and with the physical environment in which they reside, for instance, forests, grasslands, deserts etc.

It is a natural unit that consists of non-living(land, water & air) and living elements(plants & animals). The biosphere also consists of distinct regions called **biomes** and **aquatic life zones** wherein each zone has its own physical condition and unique assemblage of organisms. This biotic and abiotic components are related to each other and also function in an organised manner, forming a definite system. The biosphere, so, is referred to as the global ecosystem and biomes are the regional ecosystem.

Therefore, constant interaction between living and non-living thing imparts a dynamic character to the environment. Any change in the abiotic environment produces a resultant change in the biotic environment, especially in terms of numbers and kinds of species. Living things, in turn, modify their physical environment to suit them.

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