

BIOLOGY , ECOSYSTEM

1. What is 10% law related to food chain?

Ans \Rightarrow 10% law. When organisms are consumed, approximately 10% of the energy in the food is fixed into their flesh and is available for next trophic level (carnivores or omnivores)

2. What are the different types of relationships between the components of ecosystem. Name them and give one example from each.

Ans \Rightarrow There are two components of ecosystem \Rightarrow

* Biotic components (all living organisms)

* Abiotic components (all non-living organisms)

An ecosystem includes different communities of plants, animals and microbes together with their physicochemical environments. It consists of two major components, biotic or living components and non biotic or non-living components. Biotic components include plants, animals, decomposers. Non-living components include air, water, land. A food chain is a chain

in an ecosystem where there is transfer of food and energy from one organism to another in a sequence.