

Home Assignment

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12/8/2021

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

Ans- When organisms are consumed, approximately 10% of the energy in the food is fixed into their flesh and is available for next trophic level. This is the 10% law related to food chain.

2) What are the different types of relationships between the components

of ecosystem. Name them and give one example from each.

Ans- The different types of relationship are the following :-

* Symbiosis: In this interaction, both the interacting species are benefitted.

Lichens provide a good example of symbiosis in which a fungus and a photosynthetic alga live in a symbiotic relationship.

* Parasitism: In this interaction, one partner (the parasite) receives advantage while the other (the host) is at a loss. The malarial parasite, Plasmodium needs an intermediate host (vector), a mosquito to spread to other hosts.

* Predation: A predator catches and kills other organisms for food. Predation is nature's way of transferring energy. The tiger and the deer provide a good example. Tigers catch deer and kill them to eat.