

# Ecology

**Ecology** is the scientific study of interactions among organisms and between organisms and their environment or surroundings.

An **ecologist** is a person who studies the interactions between organisms and the environment.

on test

7 Levels of Organization Studied by Ecologists

The levels of organization studied by ecologists are organisms, species, populations, communities, ecosystems, biomes and finally the biosphere.

7 Levels of organization

- 1) organism - a single living thing
- 2) species - group of organisms so similar to one another that they can breed and produce fertile offspring
- 3) population - group of individuals that belong to the same species and live in the same area (Not a count of every single organism all together)  
 ex) Human Populations is separate from Cow Population
- 4) community - a collection of different populations that live together in a defined area
- 5) ecosystem - a collection of all the organisms that live in a particular place together with their nonliving, or physical environment
- 6) Biome - Is a collection of animals and plants in an area
- 7) Biosphere is all parts of and around the planet Earth where life can be found

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**NOTES - Ecological Organization.pdf**

## Attachments

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NOTES - Ecological Organization.pdf

TEXT - Water and Nitrogen Cycles.pdf

Science 7 Rock Assignment 1.docx