

on test

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

7 Levels of Organization Studied by Ecologists

1) organism - a single living thing

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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 planet Earth where life can be found

4 Spheres of Earth

The spheres are the four subsystems that make up the planet Earth. They are called spheres because they are round, just like the Earth.

- 1) Geosphere - all the rock on Earth
- 2) Hydrosphere - all the water on Earth
- 3) Atmosphere - all the gases surrounding Earth
- 4) Biosphere - all the living things on Earth

