

## Ecosystem: Review 1

1. **Biosphere** is the layer of the planet where living things can exist and interact; it is divided into three categories:

1. Lithosphere: \_\_\_\_\_
2. Hydrosphere: \_\_\_\_\_
3. Atmosphere: \_\_\_\_\_

2. **Biome**: refers to the plant and animal communities that inhabit an area.  
Hence, the levels of biological organization may be represented as:

**biosphere** → **biome** → **ecosystem** → **community** → **population** → **individual**

3. **Define:**

- A. Ecosystem: \_\_\_\_\_
- B. Habitat: \_\_\_\_\_
- C. Community: \_\_\_\_\_
- D. Population: \_\_\_\_\_

Choose the most appropriate vocabulary term from the list in question (3) above for the following:

1. All the living and non-living things in an area: \_\_\_\_\_
2. All the ants in an anthill: \_\_\_\_\_
3. An area that provides food and shelter: \_\_\_\_\_
4. Fish, frog, turtles, lily-pads, dragonflies are all members of the same \_\_\_\_\_
5. All the blackbirds in an area represent a \_\_\_\_\_
6. A forest is an example of \_\_\_\_\_
7. The damp soil within a forest in which a mushroom grows is a/an \_\_\_\_\_
8. Different populations that live together in a particular area represent \_\_\_\_\_
9. A prairie dog, a hawk, and a badger are all members of the same \_\_\_\_\_
10. The rainbow trout swimming in a stream represent \_\_\_\_\_

4. **Biotic** factors are related to life, are living factors, created by the presence and roles of other living things.

**Abiotic** factors, meaning non-living factors that affect living organisms.

Place the following factors in the correct category of biotic or abiotic:

habitat (such as pond, lake, ocean, desert, and mountain):

weather (such as temperature, cloud cover, rain snow, hurricanes, etc.):

fungi,

bacteria,

lobster,

grass, sun, water,

seagull, sea-weed.

5. Distinguish between **niche** and **habitat**:

Niche: \_\_\_\_\_

Habitat: \_\_\_\_\_

State the niche of the following organisms in an ecosystem:

producer:

decomposer:

parasite:

scavenger:

carnivore:

herbivore:

omnivore: