

**Sharing the Planet – Week 1 – Unit of Inquiry Homework**

**Ecosystem and Diversity**

**Instructions: Choose the correct answer.**

1. What is an ecosystem?
  - a) An animal
  - b) Nonliving and living things in a habitat
  - c) Living things
  - d) Nonliving things
  
2. What is an example of an abiotic factor?
  - a) Cat
  - b) Monkey
  - c) Grass
  - d) Clouds
  
3. What is an example of a biotic factor?
  - a) Stones
  - b) Plants
  - c) temperature
  - d) water
  
4. It is the place where an organism lives within an ecosystem
  - a) Habitat
  - b) Niche
  - c) Environment
  - d) Ecosystem
  
5. The struggle for resources in an ecosystem
  - a) Weaker species
  - b) Competition
  - c) Abiotic
  - d) Biotic
  
6. Which part of a food chain absorbs the sun's energy?
  - a) Decomposers
  - b) Producers
  - c) Consumer
  - d) Decomposer
  
7. Which of the following is NOT an abiotic factor?
  - a) The sun
  - b) Rocks
  - c) Water
  - d) Puppies
  
8. Which of the following is not considered a decomposer?

- a) Bacteria
  - b) Grass
  - c) Mushrooms
  - d) Millipede
9. Which of the following is NOT a biotic factor in an ecosystem?
- a) Zebra
  - b) Grass
  - c) River
  - d) starfish

### Quiz

#### Instructions: Choose the correct answer

1. Abiotic means living / non-living things.
2. Biotic means living / non-living things.
3. Consumer does / does not produce its own food.
4. Producer is an organism that takes living / non-living matter and uses it to produce food for itself with surplus for other organisms.
5. Decomposer is an organism which feeds off dead / alive plants and animals and reduces their remains to minerals and gases again.
6. Animals depend / don't depend on plants.

### True or False

#### Instructions: Choose True or False.

1. An aquatic ecosystem is a place that is land-based.
  - a) True
  - b) False
2. The word diverse means "different in kind"
  - a) True
  - b) False
3. An organism's niche is its complete role, or function.
  - a) True
  - b) False
4. Ecosystems are made up of biotic and abiotic things
  - a) True
  - b) False
5. Food Chain is a series of steps by which energy is obtained, used, and changed by living things.
  - a) True
  - b) False