

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