

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Effects of Interactions of Organisms with the Environment

Directions: Read and understand each question carefully. Encircle the letter of the correct answer.

1. Which is a cause of habitat destruction?

- A. pollution
- B. great weather
- C. thriving animals
- D. too many plants

2. Where do most of the ecosystems get their energy from?

- A. air
- B. soil
- C. Sun
- D. water

3. Which of the following is an example of an abiotic factor?

- A. cactus
- B. sunlight
- C. tree
- D. worm

4. Which of the following is an example of a biotic factor in the ecosystem?

- A. air
- B. butterfly
- C. stone
- D. water

5. What is created when the environment's biotic and abiotic factors interact with each other?

- A. ecosystem
- B. habitat
- C. niche
- D. resource

6. Why do rice farmers need to remove the weeds and other grasses growing near the rice plants?
- A. to avoid the competition of resources
 - B. to make the rice field clean
 - C. to make the soil fertile
 - D. to help absorb water
7. What do you call the way food passes from one organism to another organism in an ecosystem?
- A. food chain
 - B. food link
 - C. food pyramid
 - D. food web
8. Which of the following relationships shows an example of how one depends on the other for food to survive?
- A. mangrove tree and swamp
 - B. orchid and tree
 - C. rabbit and carrot
 - D. dog and cat
9. An octopus adapts the shape and color of the corals to hide from sharks. Which of the following defenses does the octopus use?
- A. biological defense
 - B. camouflage
 - C. mimicry
 - D. warning coloration
10. Suppose there are two ecosystems, A and B. Ecosystem A has moist soil, seeds, plenty of water, healthy communities, and a mild temperature. Ecosystem B has sandy and rocky soil, little or no water, no communities, and a very hot temperature. What is most likely to happen?
- A. Plants in Ecosystem A will be smaller and fewer than those in B.
 - B. Plants in Ecosystem B will likely attract communities.
 - C. Plants in Ecosystem A will be larger and more abundant.
 - D. Plants in Ecosystem B will be larger and more abundant.