Ball State University
Field Station and Environmental Education Center

Ecosystems and Homeostasis

Date: _____

1. A _____ is a group of organisms that are similar to each other and can produce offspring.
2. A _____ is a group of ONE species that all live in the same place.
3. A _____ is all of the populations of all species that live in the same place.
4. A (n) _____ is the community interacting with their environment.
5. What are the 5 things all living (biotic) organisms need in their environment?

_____

_____

6. The _____ makes its own food through photosynthesis. Producers are eaten by _____, which are also called herbivores. Other consumers, called _____ and _____, can eat consumers and producers, depending on their diet.
7. When an ecosystem is in balance, or equilibrium, the ecosystem is said to be in _____.
8. List four ways that human actions disrupt homeostasis in ecosystems.

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9. Homeostasis can be restored in ecosystems through _____, conservation, and _____. What is one way that ecosystems can be restored and conserved?

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Ecosystems and Homeostasis KEY

Date: _____

1. A species is a group of organisms that are similar to each other and can produce offspring.
2. A population is a group of ONE species that all live in the same place.
3. A community is all of the populations of all species that live in the same place.
4. An ecosystem is the community interacting with their environment.
5. What are the 5 things all living (biotic) organisms need in their environment?

   Air, water, shelter, food, space

6. The producer makes its own food through photosynthesis. Producers are eaten by consumers, which are also called herbivores. Other consumers, called carnivores and omnivores, can eat consumers and producers, depending on their diet.
7. When an ecosystem is in balance, or equilibrium, the ecosystem is said to be in homeostasis.
8. List four ways that human actions disrupt homeostasis in ecosystems.

   Climate change, invasive species, pollution, habitat destruction.

9. Homeostasis can be restored in ecosystems through restoration, conservation, and time. What is one way that ecosystems can be restored and conserved? Cleaning up pollution, removing invasive species, repairing habitats, and switching from non-renewable to renewable energy.