

Ecology

Directions: On each line, write the term from the word bank that correctly completes each sentence. Each term is used only once.

species	biotic potential	biosphere	climate
carrying capacity	ecology	population density	ecosystem
population	limiting factor	community	competition

1. The _____ is the parts of Earth and the surrounding atmosphere where there is life.
2. _____ is the study of Earth's ecosystems.
3. _____ is the struggle in a community for the same resources.
4. A(n) _____ is all the organisms of the same species that live in the same area at the same time.
5. A(n) _____ is anything that restricts the size of a population.
6. _____ is the size of a population compared to the amount of space available.
7. A(n) _____ is a group of organisms that have similar traits and are able to produce fertile offspring.
8. _____ is the potential growth of a population in perfect conditions with no limiting factors.
9. _____ is determined by the temperature and precipitation of a region.
10. A(n) _____ is all the populations of different species that live in the same area.
11. _____ is the largest number of individuals of one species that an environment can support.
12. A(n) _____ is all the living things and nonliving things in a given area.

Directions: Circle the abiotic factors in the sentences below. Underline the biotic factors.

1. Fish breathe oxygen that is dissolved in water.
2. A man waters his tomato plants.
3. Earthworms make tunnels in soil.
4. A drought kills plants and animals in Australia.
5. Silt enters a river, and the salmon population declines.
6. A girl snacks on an orange.
7. Temperatures drop, and squirrels go into hibernation.
8. Ferns absorb nutrients from soil.
9. A lion preys upon an antelope.
10. An elm tree releases oxygen into the atmosphere.