

Ecology Study Guide

Ecosystems and Energy Flow

Use the word bank to complete each statement below.

abiotic factors biotic factors primary succession secondary succession
 succession pioneer species ecology ecosystem biodiversity
 habitat community biome biosphere



1. A regular progression of species replacement is known as _____.
2. Nonliving factors, such as weather, that can affect ecosystems is known as _____.
3. The study of living things and their interaction with each other and the environment is known as _____.
4. Plants or mosses that first grow in a newly formed ecosystem are called _____.
5. The variety and genetic differences found within an ecosystem represents the ecosystem's _____.
6. A(n) _____, consists of a community and all of the physical aspects of the habitat.
7. The _____ is the portion of the planet that can sustain life.
8. All the different species that live together in an ecosystem are known as the _____.
9. Succession that occurs in places where there has previously been growth is called _____.
10. Living factors that are part of the ecosystem are called _____.
11. Succession that occurs where no soil has existed (no previous growth) is known as _____.
12. A _____ is part of the biosphere that has a specific climate and community.



13. Give one example of PRIMARY succession.

14. Give one example of SECONDARY succession.

15. Why are producers an essential component of an ecosystem? _____
16. Why are decomposers an essential component of an ecosystem? _____
17. In a marine food web, the total biomass of algae far outweighs the total biomass of all the killer whales. Why? _____

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