

● How Ecosystems Change

Cross out the statements that DO NOT agree with the textbook.

1. The changes associated with ecological succession usually occur at random.
2. After a volcanic eruption, pioneer species begin to break down rocks.
3. Secondary succession comes immediately after primary succession.
4. Succession involves only abiotic factors.
5. A climax community is made up of organisms that are adapted to the climate and soil conditions of an area.
6. An oak-maple forest is an example of a community that is beginning succession.
7. A maximum of 10 years is needed for a primary community to develop into a climax community.
8. Climax communities are more complex than pioneer communities.

Complete the following sentences using the appropriate words from the textbook.

9. _____ is the gradual change in a community over time.
10. Ecological succession that begins in a place that does not have soil and has never supported living organisms is called _____.
11. A _____ is the first community of organisms to move into a new environment.
12. Members of pioneer communities are usually hardy organisms that can survive _____ conditions.
13. _____ occurs in an area that has soil and was once the home of living organisms.
14. Sunlight, _____, and moisture determine which plant species will grow in a certain area of soil.
15. A community that has reached the final stage of ecological succession is a(n) _____.
16. Feeding relationships found in climax communities usually involve _____.