

SECTION 21-3 REVIEW

SUCCESSION

VOCABULARY REVIEW Distinguish between the terms in each of the following pairs of terms.

1. primary succession, secondary succession _____

2. pioneer species, climax community _____

MULTIPLE CHOICE Write the correct letter in the blank.

- _____ 1. Succession is
 - a. another term for a fire, landslide, hurricane, or flood.
 - b. the splitting off of a part of a community to form a new community.
 - c. the elimination of an ecosystem.
 - d. the gradual, sequential development of species in an area.

- _____ 2. Primary succession may occur
 - a. in an opening in a forest where a patch of trees has been removed.
 - b. on an island formed by a volcanic eruption.
 - c. on an abandoned farm field.
 - d. on a lot made vacant when a building is removed.

- _____ 3. Species that predominate early in the development of a community are called

a. pioneer species.	c. dominant species.
b. climax species.	d. succession species.

- _____ 4. In the eastern United States, succession often begins with

a. deciduous trees, such as dogwoods.	c. weeds and grasses.
b. coniferous trees, such as pines.	d. shrubs.

- _____ 5. The stable end point of succession is called

a. staged community.	c. climatic change.
b. climax community.	d. community development.

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SHORT ANSWER Answer the questions in the space provided.

1. Why does primary succession often proceed very slowly? _____

2. Describe two ways that bare rock can be converted into soil. _____

3. Name five events that could initiate secondary succession. _____

4. Name three factors that could influence the path of succession in a particular area. _____

5. What are the characteristics of a pioneer species? _____

6. **Critical Thinking** A volcanic eruption removes all plant life from a valley below the volcano. Explain why succession following the eruption is likely to occur more quickly on the valley floor than on the steep slopes that form the valley walls. _____

STRUCTURES AND FUNCTIONS The drawings below show four stages in the succession that follows a forest fire. Arrange the stages in their proper order. Allow the numeral 1 to designate the first stage.



Shrubs



Burned wood, ashes



Pines, spruces



Grasses, weeds
