

Populations and Communities ▪ *Guided Reading and Study*

Changes in Communities

This section describes a series of predictable changes that occur in a community over time.

Use Target Reading Skills

As you read, compare and contrast primary and secondary succession by completing the table below.

Factors in Succession	Primary Succession	Secondary Succession
Possible cause	Volcanic eruption	
Type of area		
Existing ecosystem?		

Introduction

1. What is succession?

Primary Succession

2. What is primary succession?

3. Circle the letter of each choice that describes an area where primary succession might occur.

- a. A new land formed by the eruption of an undersea volcano
- b. An area of bare rock uncovered by a melting ice sheet
- c. A clearing in a forest left by cutting down the trees
- d. An area without any trees or other plants following a forest fire

4. The first species to populate the area in primary succession are called _____.

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5. Primary species are often _____ and _____.

6. How do pioneer species help develop soil?

Secondary Succession

7. The series of changes that occur after a disturbance in an existing ecosystem is called _____.

8. What natural disturbances can result in secondary succession?

9. What human activities can result in secondary succession?

10. Is the following sentence true or false? Secondary succession occurs more slowly than primary succession. _____

11. The particular species that come and go in the process of succession depend on the _____.