**Changes in Ecosystems: Ecological Succession**

**What is Ecological Succession?**

**Notes/Drawings:**

* \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_ changes in the types of species that live in an area
* Can be \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The gradual \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_through natural processes over time

**Primary Succession**

* Begins in a place \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_\_:
  + - * + *Sides of volcanoes Landslides Flooding*
* First, \_\_\_\_\_\_\_\_\_ that do not need soil to survive grow on rocks
* Next, \_\_\_\_\_\_\_\_ grow to hold newly made soil
* Known as \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_ starts to form as \_\_\_\_\_\_\_\_ and the forces of weather and erosion help \_\_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_\_ into smaller pieces
* When \_\_\_\_\_\_\_ \_\_\_\_, they \_\_\_\_\_\_\_\_, adding small amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_ matter to the rock to make soil
* Simple plants like \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ can grow in the new soil
* The \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_, adding more organic material (nutrients to the soil)
* The \_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_, and grasses, wildflowers, and other plants begin to take over
* These plants die, and they add more \_\_\_\_\_\_\_\_\_\_ to the soil
* \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_ can survive now
* Insects, small \_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ have begun to move into the area
* What was once \_\_\_\_\_\_ \_\_\_\_\_, now supports a variety of life

**Secondary Succession**

* Begins in a place that \_\_\_\_\_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_ and was once the home of living organisms
* Occurs faster and has \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_ than primary succession
* Example: after forest fires

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**Climax Community**

* A stable group of plants and animals that is the \_\_\_\_ \_\_\_\_\_\_\_\_ of the

\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

* Does not always mean big trees
  + \_\_\_\_\_\_\_\_\_ in prairies
  + \_\_\_\_\_\_\_\_ in deserts