

Interactions in Ecosystems Lecture Guide: Ecological succession

- Succession means the _____ that regenerate a damaged community in a previously uninhabited area
- When an ecosystem changes, older organisms _____ and new organisms move in.
- Can result from _____ in the physical environment
- Sudden _____ also play a role in ecological succession
- Ecological succession can be
 - _____
 - _____

Primary succession

- _____ in an area that was previously _____
- Occurs on land where _____
- Occurs on surfaces formed as volcanic eruptions build new islands or cover the land with lava rock or volcanic ash
- Can also occur on _____
- First, _____ that do not need soil to survive grow on rocks
 - Lichens are made up of _____; helps break up rocks
- Next, _____ grow to hold the newly made soil
- Each of these are known as a _____

- Meaning these are the _____ to populate an area
- Soil starts to form as _____ help break down rocks into smaller pieces
- When lichens die they decompose, adding _____ to the rock to make soil

Secondary succession

- Begins in a place that already has _____
- Often see this after a _____ such as a forest fire or volcano

Climax community

- A stable group of plants and animals that is the _____
- Final and stable community