

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Notes: Ecological Succession

\_\_\_\_\_ All of the members of a species found in an area

\_\_\_\_\_ Groups of different *living* things interacting in an area

\_\_\_\_\_ All of the *biotic* and *abiotic* factors in an area

What does it mean for rocks to be *barren*? \_\_\_\_\_

What do we call the process of new communities replacing older ones over time?  
\_\_\_\_\_

What are some common ways that new barren land is created or revealed?  
\_\_\_\_\_

What is the **first** population on new land called? \_\_\_\_\_

What is a common pioneer population that grows on rocks? \_\_\_\_\_

Lichens are a relationship between what two organisms? \_\_\_\_\_

What can the algae do that helps the lichen survive? \_\_\_\_\_

Why are lichens an example of mutualism? \_\_\_\_\_

How are rocks broken down? \_\_\_\_\_

What process adds organic nutrients to the soil? \_\_\_\_\_

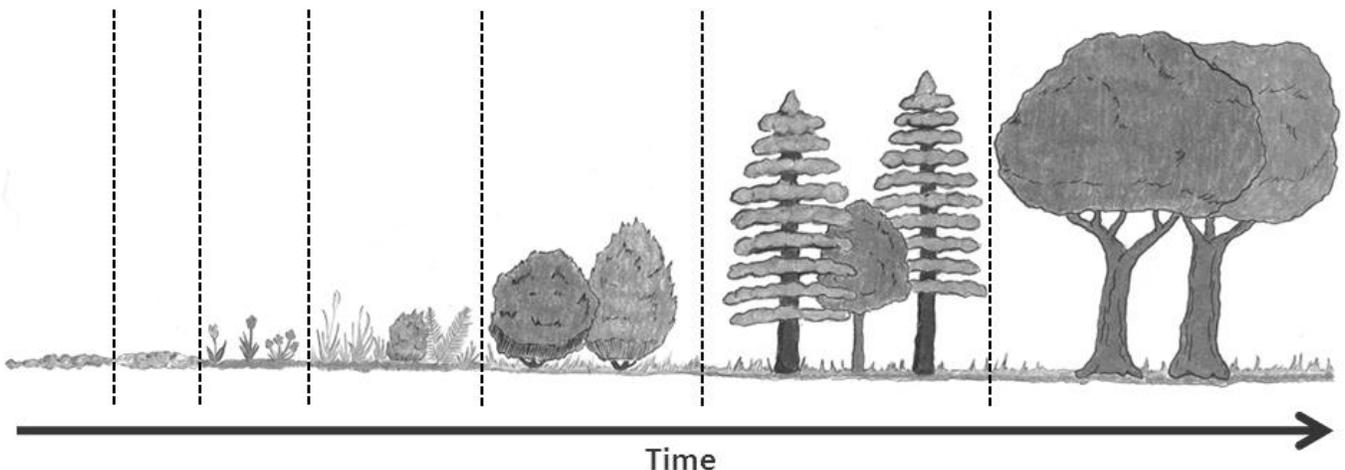
What type of plant can begin to grow in the new, fertile soil? \_\_\_\_\_

How long do *annuals* live for? \_\_\_\_\_

How do annuals improve the soil? \_\_\_\_\_

What plants replace annuals after the annuals improve the soil? \_\_\_\_\_

How long do *perennials* live for? \_\_\_\_\_



What community eventually replaces perennials? \_\_\_\_\_

What replaces shrubs once the soil becomes deep enough? \_\_\_\_\_

What type of tree usually grows first? \_\_\_\_\_

What do *conifers* use to reproduce? \_\_\_\_\_

What type of tree may eventually replace the conifers? \_\_\_\_\_

The communities will keep changing until the ecosystem becomes what? \_\_\_\_\_

What do we call the final, stable community? \_\_\_\_\_

What is the process of barren rock changing slowly over time to a climax community called?

\_\_\_\_\_

What organisms are the foundations of the food web? \_\_\_\_\_

What are created for animals as plant communities develop? \_\_\_\_\_

What is **biodiversity**? \_\_\_\_\_

What factor plays a role in determining the climax community? \_\_\_\_\_

Why might an ecosystem never become a forest? \_\_\_\_\_

What are some examples of things that might destroy a climax community?

\_\_\_\_\_

What do we call the process of an ecosystem returning to a stable community after a disaster?

\_\_\_\_\_