

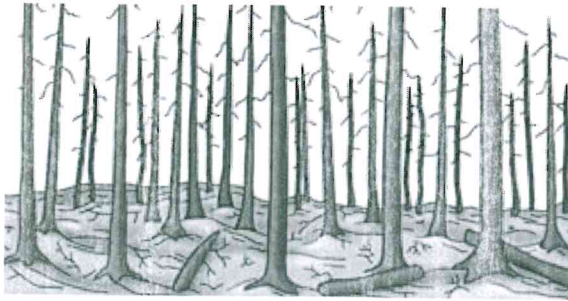
## SECTION

## 1

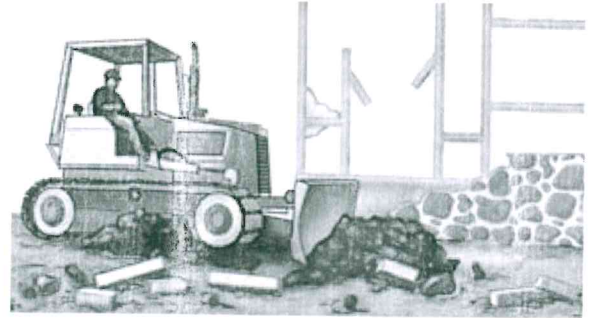
## Reinforcement

## How Ecosystems Change

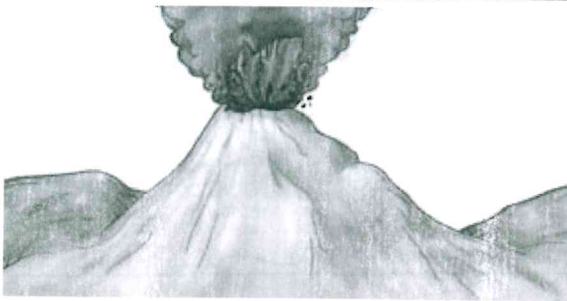
**Directions:** What kind of ecological succession occurs after each of the following events? Write either **primary succession** or **secondary succession** under each diagram. WRITE THE REASON FOR YOUR ANSWER.



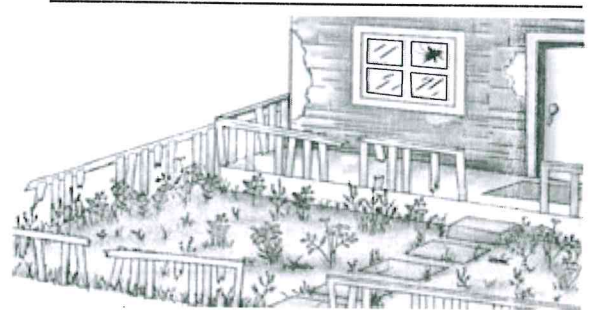
1. \_\_\_\_\_  
\_\_\_\_\_



2. \_\_\_\_\_  
\_\_\_\_\_



3. \_\_\_\_\_  
\_\_\_\_\_



4. \_\_\_\_\_  
\_\_\_\_\_

**Directions:** Answer the following questions on the lines provided.

5. What is ecological succession? \_\_\_\_\_
6. What is the general name for the first species to grow after a volcanic eruption covers an area with lava? \_\_\_\_\_
7. How does soil form from bare rock?  
\_\_\_\_\_  
\_\_\_\_\_
8. How does succession occur after a forest fire?  
\_\_\_\_\_
9. Which takes longer, primary succession or secondary succession? Explain.  
\_\_\_\_\_  
\_\_\_\_\_
10. What is a community that has reached a stable stage of ecological succession called?  
\_\_\_\_\_

## SECTION

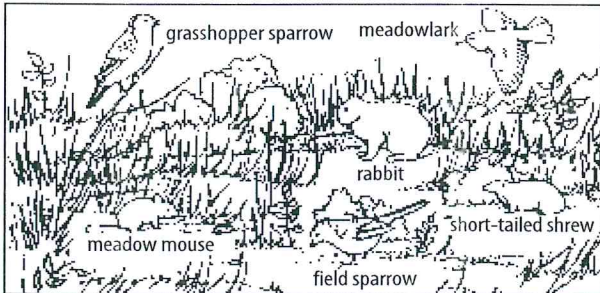
## 1

## Enrichment

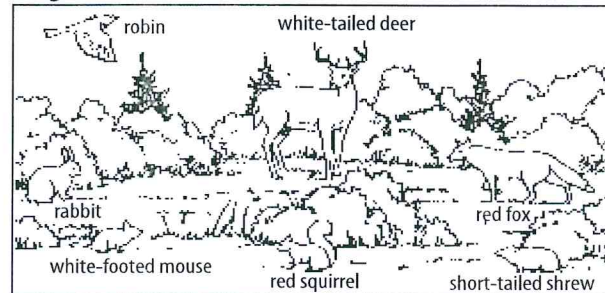
## Succession

The four pictures below show succession in a small area in New York. Think of these pictures as four photographs, with many years in between. Notice that in each picture, the plants have changed and so have the animals. Use the pictures to answer the questions below.

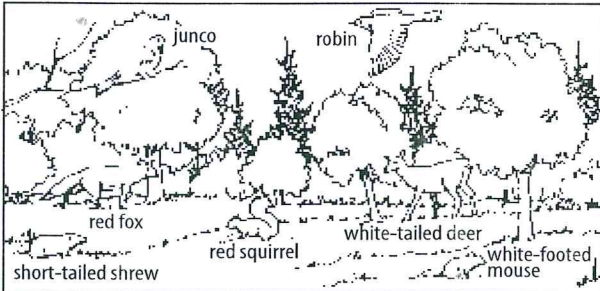
Stage 1



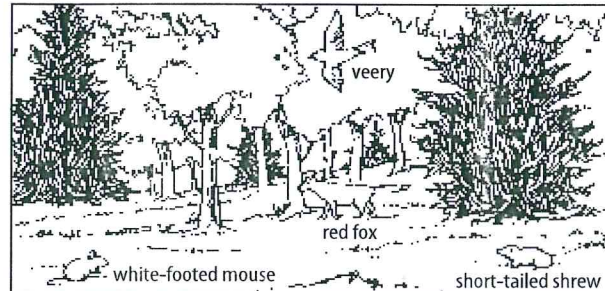
Stage 2



Stage 3



Stage 4



- In which stage is grass mostly found?  
\_\_\_\_\_
- The grasshopper sparrow is so named because of what it eats. Why do you think it is mostly found in Stage 1?  
\_\_\_\_\_
- What new species appears in Stage 3? What can you hypothesize about this species based on the four pictures?  
\_\_\_\_\_
- By Stage 4, what type of vegetation has taken over?  
\_\_\_\_\_
- How did the trees change the environment, making it less favorable for the grasses to grow?  
\_\_\_\_\_
- Which animal survived in all stages of this succession? Why?  
\_\_\_\_\_  
\_\_\_\_\_