Meeting Individual Needs

Directed Reading for **Section 1** - How Ecosystems Change

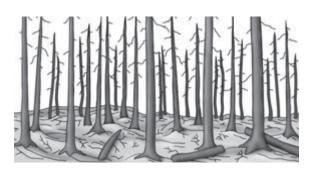
Directions: Complete the following sentences using the terms listed below. Some terms may be used more than once.

F	orimary	secondary	succession	pioneer	climax	
1. The gradual change from one community of organisms to another is						
	ecologica	al	·			
2.	2. Succession that takes place in a forest that has been destroyed by fire is an					
	example	of	succession	_ succession.		
3.	The first	The first organisms to move into a disturbed environment are the				
		sp	ecies.			
4.	A comm	A community that tends to remain the same and is in the final stage of				
	successio	succession is a community.				
5.	Ecologic	Ecological succession that takes place in a location that does not have				
	soil is		succession.			
6.	A beech-	-maple forest is an e	example of a		community.	
7.	When no	o life exists at all in	an area,		_ succession begins.	
8.	Physical disturbances such as fires disturb the stability of					
	a	0	community.			
9.	succession can take hundreds or even thousands of					
	years to	ears to develop into a climax community.				
10.	Number the following sentences describing primary succession so that they are in the correct order.					
	a.	Mosses and ferns g	row in soil forme	d by decaying li	chens.	
	b. Thicker, richer soil supports the growth of shrubs and trees. Insects, small birds, and mammals move in.					
	с.	Eventually, the soil plants begin to take	•	d grasses, wildfl	owers, and other	
	d.	Life on a bare rock	begins as lichens	and the forces	of weather and	

erosion help break down rocks into smaller pieces to form soil.

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.





1







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?