Name_____Date_____Hour_____

Guided Reading 3-1 Community Ecology

1. Define community.

2. Use an example from the text of how an abiotic factor would affect a community.

3. Examine figure 1, how does the abiotic factor of water availability effect where growth is occurring.

4. Define limiting factor

5. What conditions must a desert organism be able to withstand to survive?

6. Define tolerance.

7. Describe the relationship between a limiting factor and a range of tolerance.

8. Examine figure 2, what range of temperatures can the steelhead trout survive, what temperatures are ideal for their growth and survival?

9. How is a natural disaster like a forest fire helpful to the community? (give at least 2 ways)

10. Define ecological succession. What are the two types of succession?

11. What's a pioneering species?

12. Why do scientists believe a true climax community is very rare?

13. How is secondary succession different from primary succession?

14. Examine figure 4, describe what is occurring in the panels? What do you notice about the types of plants that are around in the beginning versus the end.

15. Why can an endpoint to succession never really be defined?