

Name: _____ Date: _____ Per: _____

AP Biology Guided Reading - CHAPTER 54: COMMUNITY ECOLOGY

1. How is co-evolution significant in community ecology?

2. Fill in the chart of interspecific interactions.

Interaction	Effects on Population Density	Example
Competition		
Predation (includes parasitism)		
Mutualism		
Commensalism		

3. What is the competitive exclusion principle?

4. Describe Gause's experiment with Paramecia.

5. Define ecological niche.

6. Define and give an example of resource partitioning.

7. Describe several defense mechanisms to predation in plants.

Name: _____ Date: _____ Per: _____

8. Define and give an example of the following animal defenses:

a. Cryptic coloration

b. Aposematic coloration

c. Batesian mimicry

d. Mullerian mimicry

9. What is meant by the “trophic structure” of a community?

10. What does a food web show that isn’t indicated by a food chain?

11. What limits the length of a food chain?

12. Define a keystone species and why are they so important to a community?

13. Define ecological succession.

14. What is the difference between primary and secondary succession?