

Name \_\_\_\_\_

Period \_\_\_\_\_

Ms. Foglia

Date \_\_\_\_\_

**AP: CHAPTER 53: COMMUNITY ECOLOGY**

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

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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?

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4. Describe Gause's experiment with Paramecia.

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5. Define ecological niche. \_\_\_\_\_

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6. Define and give an example of resource partitioning.

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7. Describe several defense mechanisms to predation in plants.

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

a. Cryptic coloration \_\_\_\_\_

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b. Aposematic coloration \_\_\_\_\_

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c. Batesian mimicry \_\_\_\_\_

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d. Mullerian mimicry \_\_\_\_\_

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

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

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11. What limits the length of a food chain?

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

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13. Define ecological succession.

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

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