

# Chapter 36 Guiding Questions

Name:

Period:

## Module 36.1

1. Describe the four properties of a community.

## Module 36.2

2. Describe the concepts of the “competitive exclusion principle,” “resource partitioning,” and an ecological “niche.”

## Module 36.3

3. Describe the different types of predation, define coevolution, and distinguish between Batesian and Mullerian mimicry.

## Module 36.4

4. Define a keystone species and describe two examples.

**Module 36.5**

5. Describe the three different types of symbiotic relationships, noting examples of each.

**Module 36.6**

6. Explain how disturbances can be beneficial to a community. Distinguish between primary and secondary succession.

**Module 36.7**

7. Describe the roles of fire in shaping ecosystems.

**Module 36.8**

8. Describe and compare energy flow and chemical cycling in ecosystems.

**Module 36.9**

9. Describe the trophic structure of food chains.

**Module 36.10**

10. Explain how food chains interconnect to form food webs.

**Module 36.11 – 36.12**

11. Describe the movement of energy through a food chain. Explain why there are more producers than consumers and why eating meat is considered a great luxury.

**Module 36.13 – 36.17**

12. Explain how water, carbon, nitrogen, and phosphorus are cycled within ecosystems.