

**CHAPTER 2**

**Section 1: Organisms and Their Relationships**

*Study Guide*

**In your textbook, read about ecology.**

*Read each statement. If it describes the study of ecology, write yes. If not, write no.*

- \_\_\_\_\_ 1. Ecology is the study of interactions among organisms.
- \_\_\_\_\_ 2. Ecologists mainly study green plants.
- \_\_\_\_\_ 3. Most experiments in ecology are quick and done in a lab.
- \_\_\_\_\_ 4. Models help ecologists control the many variables in their studies.

**In your textbook, read about the biosphere and levels of organization.**

*Match the definition in Column A with the term in Column B.*

**Column A**

- \_\_\_\_\_ 5. made up of individual organisms of the same species
- \_\_\_\_\_ 6. all nonliving things in an environment
- \_\_\_\_\_ 7. made up of the organisms and nonliving things in an area
- \_\_\_\_\_ 8. portion of Earth that supports life
- \_\_\_\_\_ 9. all living organisms in an environment

**Column B**

- A. abiotic factors
- B. biosphere
- C. biotic factors
- D. ecosystem
- E. population

**In your textbook, read about the ecosystem interactions and community interactions.**

*Complete the table by checking the correct column(s) for each interaction.*

Interaction	Involves Abiotic Factors	Involves Biotic Factors
10. Commensalism		
11. Competition		
12. Habitat		
13. Mutualism		
14. Niche		
15. Predation		