



Name

Period

Date

SECTION
13.1

ECOLOGISTS STUDY RELATIONSHIPS

Study Guide

KEY CONCEPT

Ecology is the study of the relationships among organisms and their environment.

VOCABULARY

ecology	ecosystem
community	biome

MAIN IDEA: Ecologists study environments at different levels of organization.

Write a description of each level of organization in the table. Also, provide an example for each level.

Level	Description	Example
1. organism		
2. population		
3. community		
4. ecosystem		
5. biome		

MAIN IDEA: Ecological research methods include observation, experimentation, and modeling.

6. What is observation?

7. What is the difference between direct and indirect surveys?

Section 13.1 STUDY GUIDE CONTINUED

8. Complete the following table with a benefit and drawback of conducting an experiment in the laboratory compared with conducting an experiment in the field.

Experiment	Benefit	Drawback
Laboratory		
Field		

9. When might a scientist use a model as a research method?

Vocabulary Check

10. What is ecology?

11. Of the three terms, *biome*, *community*, and *ecosystem*, which term contains the other two?
