

Chapter 3**The Biosphere****Section 3–1 What Is Ecology?** (pages 63–65)

This section identifies the different levels of organization that ecologists study. It also describes methods used to study ecology.

Interactions and Interdependence (page 63)

1. What is ecology? _____

2. What does the biosphere contain? _____

Levels of Organization (page 64)

3. Why do ecologists ask questions about events and organisms that range in complexity from an individual to the biosphere? _____

4. Complete the table about levels of organization.

LEVELS OF ORGANIZATION

Level	Definition
Species	
	A group of individuals that belong to the same species and live in the same area
Community	
Ecosystem	
	A group of ecosystems that have the same climate and dominant communities

5. What is the highest level of organization that ecologists study? _____

Ecological Methods (page 65)

6. What are the three basic approaches scientists use to conduct modern ecological research?
a. _____ b. _____ c. _____

Answers Ecology 3 Study Guide

O. Ray Whittington



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