Chapter 4, Ecosystems and Communities (continued)

Section 4-3 Biomes (pages 98-105)

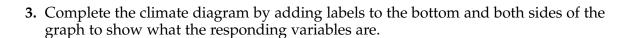
This section describes the unique characteristics of the world's major biomes. It also describes other land areas.

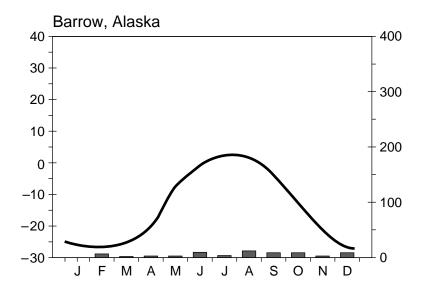
Introduction (page 98)

1. What is a biome?

Biomes and Climate (page 98)

2. What does a climate diagram summarize?





4. On a climate diagram, what does the line plot, and what do the vertical bars show?

5. What is a microclimate? _____

Name	Class	Date
The Major Biomes (pages 99–103)		
6. Circle the letter of each sentence that biomes is defined.	is true about ho	w each of the world's major
a. Each is defined by a unique set of abiotic factors.		
b. Each has a characteristic ecological community.		
c. Each is defined by the country it is in.		
d. Each is particularly defined by climate.		
Use the map in Figure 4–11 on page 99 of your textbook to match the biome with its geographic distribution.		
Biome	Geographic D	istribution
7. Tropical rain forest	a. Forest biome that occurs almost exclusively in the Northern Hemisphere	
8. Tundra	b. Biome that occurs on or near the equator	•
9. Boreal forest	c. Biome that occurs near or above 60°N latitude	
10. Complete the table about layers of a tropical rain forest.		
LAYERS OF A TROPICAL RAIN FOREST		
Layer	ver Definition	
	Dense covering formed by the leafy tops of tall trees	
	Layer of shorter trees and vines	
11. In what kind of place do tropical dry forests grow?		
12. What is a deciduous tree?		
13. What is another name for tropical savannas?14. Is the following sentence true or false? Savannas are found in large parts of eastern Africa		
15. Circle the letter of each sentence that is true about deserts.		
a. They are hot, day and night.		
b. The soils are rich in minerals but poor in organic material.		
c. Cactuses and other succulents are dominant plants.		
d. Reptiles are the only wildlife.		
16. What amount of annual precipitation defines a desert biome?		

Reading Skill Practice

You can often increase your understanding of what you've read by making comparisons. A compare-and-contrast table helps you to do this. On a separate sheet of paper, make a table to compare the major land biomes you read about in Section 4–3. The characteristics that you might use to form the basis of your comparison could include a general description, abiotic factors, dominant plants, dominant wildlife, and geographic distribution. For more information about compare-and-contrast tables, see Organizing Information in Appendix A of your textbook.