Chapter 3

## **Communities and Biomes**

Reinforcement and Study Guide

Section 3.1 Communities

In your textbook, read about living in a community.

Determine if the sta	tement is true. If it	is not, rewrite the	italicized part to r	nake it true.
1. The interactions of	of abiotic and biotic fa	actors result in condi	tions that are suitab	le for some organisms
	S			
				l.
3. A limiting factor	is any biotic or abiot	ic factor that promote	s the existence, nun	ibers, reproduction, or
distribution of o	ganisms			
<b>4.</b> At high elevation	s where the soil is thi	in, vegetation is limi	ted to large, deep-roo	ted trees.
<b>5.</b> Factors that limit	one population in a c	community may also	have <i>an indirect</i> effec	et on another population.
	oility of an organism			biotic environmental
7. A population of	deer would become <i>li</i>	arger as conditions m	nove away from opti	mal toward either
	eer's range of toleran			
	s may have different r			
•	d about succession: ch			
_				
	ms below just once			
	primary succession	decades		
The natural o	hanges and <b>(9)</b>	repl	acements that take p	ace in the communities
of ecosystems are know as (10)		. It can take (11) or even centurie		
for one community to	(12)	, or replace, a	nother. When new s	ites of land are formed, as
in a lava flow, the first	organisms to colonize	e the new area are (1:	3)	species. This colo-
nization is called (14)		_ succession. The sp	ecies inhabiting the a	rea gradually change.
Eventually, succession	ı <b>(15)</b>	and the comr	nunity becomes mor	e stable. Finally, a mature
community that unde	ergoes little or no char	nge, called a <b>(16)</b>	c	ommunity, develops.

## Chapter 3

## Communities and Biomes, continued

## **Reinforcement and Study Guide**

Section 3.1 Communities, continued

For each item in Column A, write the letter of the matching item in Column B.

	· Column A	Column B
is f	quence of community changes where soil formed, allowing small, weedy plants to habit the area	a. a severe drought
as	quence of community changes occurring a result of a natural disaster, such a forest fire	<b>b.</b> primary succession
	stable, mature community with little no succession occurring	<b>c.</b> amount of plant growth
	example of a biotic limiting factor ecting a community of organisms	<b>d.</b> secondary succession
	example of an abiotic limiting factor ecting a community of organisms	e. climax community
Yellowstone National	w describe the secondary succession that I Park. Number the events in the order it asses, ferns, and pine seedlings inhabited the	n which they occurred.
<b>23.</b> Anı	nual wildflowers grew from the bare soil.	
<b>24.</b> A fi	ire burned thousands of acres of land.	
<b>25.</b> A c	limax community of lodgepole pines develo	ped.
<b>26.</b> Bar	e soil covered the area.	