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 statement is true. If it is not, rewrite the italicized part to make it true.
1. The <i>interactions</i> of abiotic and biotic factors result in conditions that are suitable for some organisms
but not for others.
2. Food availability and temperature can be <i>biotic factors</i> for a particular organism.
3. A limiting factor is any biotic or abiotic factor that <i>promotes</i> the existence, numbers, reproduction, or
distribution of organisms.
4. At high elevations where the soil is thin, vegetation is limited to <i>large</i> , <i>deep-rooted</i> trees.
5. Factors that limit one population in a community may also have <i>an indirect</i> effect on another population
6. Tolerance is the ability of an organism to withstand fluctuations in biotic and abiotic environmental

7. A population of deer would become *larger* as conditions move away from optimal toward either extreme of the deer's range of tolerance.

8. Different species may have different ranges of tolerance.

decades

species

succeed slows down

In your textbook, read about succession: changes over time.

primary

succession

Use each of the terms below just once to complete the passage.

factors.

The natural changes and (9)	replacements that take p	replacements that take place in the communities	
of ecosystems are know as (10)	It can take (11)	or even centuries	
for one community to (12)	, or replace, another. When new	sites of land are formed, as	
in a lava flow, the first organisms to colonize	e the new area are (13)	species. This colo-	
nization is called (14)	_ succession. The species inhabiting the	area gradually change.	

Eventually, succession **(15)** _____ and the community becomes more stable. Finally, a mature community that undergoes little or no change, called a **(16)** _____ community, develops.

11

climax

pioneer

Chapter **3**

Communities and Biomes, continued

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Section 3.1 Communities, continued

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

Column A	Con	ımn B			
17. Sequence of community of is formed, allowing small, inhabit the area		e drought			
18. Sequence of community of as a result of a natural disates as a forest fire	nanges occurring uster, such	y succession t of plant growth			
19. A stable, mature commun or no succession occurring	ity with little	e or plante growth			
20. An example of a biotic lim affecting a community of	uting factor	lary succession			
21. An example of an abiotic affecting a community of		community			
The statements below describe the second Yellowstone National Park. Number the e	vents in the order in which they occ				
23. Annual wildflowers grew to	23. Annual wildflowers grew from the bare soil.				
24. A fire burned thousands o	24. A fire burned thousands of acres of land.				
25. A climax community of lo	25. A climax community of lodgepole pines developed.				