Name	Class	Date	

Skills Worksheet

## **Test Prep Pretest**

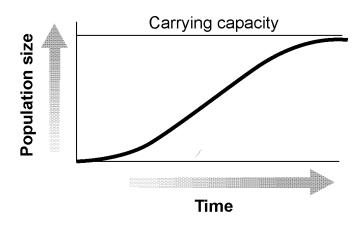
In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

1.	In the exponential model of popula a. remains constant. b. declines.	tion growth, the growth rate c. increases. d. rises and falls.
2.	The most important element of popa. immigration. b. emigration.	c. death rate. d. birthrate.
3.	Most density-dependent factors that a. biotic. b. abiotic.	t affect population growth are c. stable. d. unimportant.
4.	What form of interaction is taking particles as commensalism b. mutualism	place when a shark devours a seal? c. predation d. parasitism
5.	When lions and hyenas fight over a called a. mutualism. b. competition.	dead zebra, their interaction is  c. commensalism. d. parasitism.
6.	Mutualism and commensalism are a. symbiosis. b. competition.	two types of c. parasitism. d. predation.
7.	In the face of competition, an organ fundamental niche. That part is call a. biome. b. community.	
8.	The unique function an organism p its a. species. b. biodiversity.	erforms in its environment is called  c. niche. d. habitat.
9.	Limited resources are the main sou a. competition. b. disease.	rce of c. predation. d. All of the above
10.	The resilience of an ecosystem dep a. predation b. competition	ends largely on which factor(s)?  c. biodiversity d. All of the above

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Com prov	plete each statement by writir ided.	ng the corre	ct term or phrase in the space
11. A	A characteristic of		is that they often do not kill
tl	heir prey because they depend	on the prey	for food and a place to live.
12. V	Virtually all plants contain tox	ic compoun	ds that help protect the plants from
	Rabbits that were introduced to		n the 1850s multiplied so rapidly
b	ecause they had no		·
14. T	The entire range of conditions	_	
		djustments l	between interacting members of an
16. V	When sea stars are kept out of	their coasta	communities, the population of
n	nussels in the ecosystem		
17. C	One important part of a popula	tion model	is the
18. E	Density-independent factors are population		that affect a population regardless of
19. A	An important competition amo	ng plants is	for the abiotic factor of
	d each question, and write you Explain how the plant toxins in		
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	petition, and b	odiversity are related.	
			trees
t are two possible outcom	mes of compet	ition?	
	ain how several species occupy the same tree wit	ain how predation, competition, and bit ain how several species of warblers that occupy the same tree without competition.	

Questions 24–25 refer to the figure below, which shows a growth pattern of a population.



Read each question, and write your answer in the space provided.

- 24. What population growth model does this graph illustrate?
- 25. Describe the changes in the line of the graph, and explain what causes the changes.