Name	(	lass	Date
-Cl ( 5 D	1		
Chapter 5 Popu	ilations		
Section 5	-1 How Popu	lations Gro	<b>OW</b> (pages 119–123)
<b>Key Conce</b>	pts		
What character	teristics are used to descri	pe a population?	
	s affect population size?		
• What are ex	ponential growth and logis	stic growth?	
	ics of Populations		
	hree main characteristics o		
	1 / 1 . 1		
2. What is a popu	ılation's geographic distril	oution?	
3. Another term	for geographic distribution	ı is	
4. What is popul	ation density?		
Population (	Growth (page 120)		
<b>5.</b> Circle the lette	r of each sentence that is to	ue about population	ns.
a. They can gr	ow rapidly.		
<b>b.</b> They can do	ecrease in size.		
<b>c.</b> They may s	tay the same size from year	r to year.	
<b>d.</b> They stay the	he same size until they disa	appear.	
<b>6.</b> What three fac	tors can affect population	size?	
a			
	duals are born than die in a		now will the population
O	table about changes in pop		
6. Complete me	table about changes in pop	uiation.	
	CHANGES	N POPULATION	
Type of Change	Definition	Res	sulting Change in Size
Immigration			

Emigration

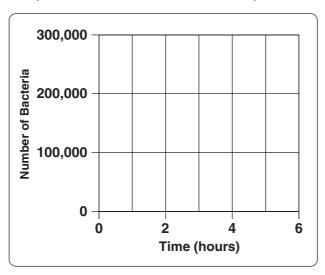
Name	Class	Date

9. What are two possible reasons individuals may immigrate into an area? \_\_\_\_\_\_

## Exponential Growth (page 121)

- **10.** How will a population change if there is abundant space and food and if the population is protected from predators and disease?
- 11. When does exponential growth occur?
- **12.** What are three ways that a growth rate may be stated, or expressed?
- **13.** Under ideal conditions with unlimited resources, how will a population grow?
- **14.** Complete the graph by drawing the characteristic shape of exponential population growth.

## **Exponential Growth of Bacterial Population**



**15.** Is the following sentence true or false? Elephants never grow exponentially because their rate of reproduction is so slow. \_\_\_\_\_

## Logistic Growth (pages 122–123)

- **16.** Circle each sentence that is true about exponential growth.
  - a. It continues until the organism covers the planet.
  - **b.** It continues at the same rate as resources become less available.
  - **c.** It does not continue in natural populations for very long.
  - **d.** It continues in natural populations until the birthrate increases.

Naı	me Date
17.	When resources become less available, how does population growth change?
18.	When does logistic growth occur?
19.	Circle the letter of each instance when a population's growth will slow down.
	a. The birthrate and death rate are the same.
	<b>b.</b> The birthrate is greater than the death rate.
	<b>c.</b> The rate of immigration is equal to the rate of emigration.
	<b>d.</b> The rate of emigration is less than the rate of immigration.
20.	What is the carrying capacity of the environment for a particular species?

**21.** Complete the graph by drawing the characteristic shape of logistic population growth.



