${\bf Bio.12\text{-}Q1W2\text{-}H.W\text{-}Population}\ Ecology$

Multiple Choice

dentify the choice that!	best completes	the statement or	r answers the question.
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 1.	Limiting factors whose effects increase as the size of the population increases are				
	a. abiotic factors.	c.	exponential in nature.		
	b. density-dependent factors.	d.	density-independent factors.		
 2.	The movement of individuals from a population	is			
	a. immigration.	c.	a life-history pattern.		
	b. a reproductive pattern.	d.	emigration.		
 3.	Unrestricted populations of organisms experience	е			
	a. exponential growth.	c.	infertility.		
	b. linear growth.	d.	biotic growth.		
 4.	For a particular species, the carrying capacity is to a. the species could reach in a given time period b. can be supported by a given environment. c. are in their post-reproductive years. d. can be supported if there are no limiting factors.	d if	all the offspring survive and reproduce.		
 5.		a J-	-shaped curve. What is this type of growth called?		
			Exponential		
	b. Linear	d.	None of the above		
 6.	A new species of mouse is introduced into an environment. These mice reproduce and the population grows. As the population grows, food resources diminish and predation by hawks increases. Eventually, the number of mice in the environment levels off so that the rate of birth equals the rate of death. What is this nearly constant number of organisms called?				
	a. Carrying capacity		Linear growth		
	b. Exponential growth	d.	None of the above		
 7.	unpredictable. What life-history pattern would you a. Rapid reproduction and short life span	ou e c.	nent. The environment is constantly changing and is expect to be most common in this environment? Slow reproduction and short life span Slow reproduction and long life span		
 8.	Which of the following limiting factors is NOT d		•		
			Competition		
	b. Drought	d.	Food supply		
 9.	Which of the following is NOT studied by demog				
			Geographic distribution		
			None of the above		
 10.	In analyzing the age structure of a population, you discover that an extraordinarily high percentage of the population is younger than the age of reproductive maturity. What kind of growth will the population probably experience in the future?				
			Rapid growth		
	b. Slow, steady growth increase	d.	None of the above		
 11.	, 1		-		
	· -		Abiotic, density-dependent factors		
	b. Biotic, density-independent factors	d.	Abiotic, density-independent factors		
 12.	Which of the following problems do immigration a. Demographers must provide for more city se				

	1 75 1 27 27 2					
	b. Demographers cannot identify the age structure of immigrants.					
	c. Demographers find it difficult to make predictions about populations.					
	 d. Demographers study growth rates, age structure populations. 	ture	es, and geographic distributions of			
 13.	The effect of movement of people between cour	nties	s has effect on total world population.			
	a. a damaging	c.	a great			
	b. little	d.	no			
14.	A country that has a stable population is charact	eriz	ed by an age structure that is .			
	a. about the same among all groups		, с			
	b. largest among pre-reproductive years					
	c. largest among reproductive years					
	d. largest among post-reproductive years					
15.						
	of any organisms. This indicates that they likely					
			early sexual maturity			
	b. slow growth	d.	all of these			
16.	Organisms that employ a strategy of slow reproduction	duct	tion usually require an environment that .			
			has cold days			
	b. fluctuates from year to year	d.	has 24-hour growing periods			
17.	Density-independent factors are limiting factors	wh	ose effects are .			
	a. confined to the habitat of the population					
	b. determined by the degree of competition for	res	sources			
	c. not influenced by population densities					
	d. determined by the difference between birthr	ate	and population density			
18.	Unrestricted populations of organisms experience	e				
			fertility			
		d.	biotic growth			
19.	The statement, "proportions of a population exp	ress	sed in terms of the reproductive years of the individual			
	organisms," refers to the population's		1 3			
		c.	age structure			
			carrying capacity			
20.	Population control factors whose effects increas					
 - 1			limiting factors			
			density-independent factors			
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