Bio.10-Q2W4-H.W.-Bacteria and Viruses

Completion

Complete each statement.

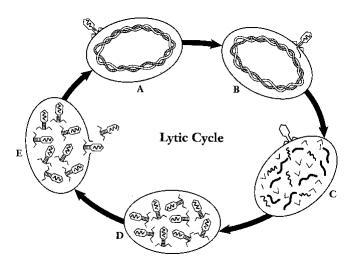


Figure 18-1

Ι.	The virus attaching to a host cell is shown in stage	of Figure 18-1	1.
2.	Virus injecting its nucleic acid into the host cell is shown in stage		of Figure 18-1
3.	New virus particles are assembled in stage of l	Figure 18-1.	
1.	The host cell breaks open, and the new virus particles are released, as shaped of Figure 18-1.	nown in stage	
5.	The host DNA is destroyed, and the viral genes are copied as shown in sigure 18-1.	stage	of
g			

Matching

M	latch	each	item	with th	e correct	statement .	bel	low.
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- a. conjugation binary fission b. reverse transcriptase toxin c. bacteriophage virus h. d. nitrogen fixation host cell endospore 6. bacterial form that is in a state of slow metabolism and that does not reproduce 7. process by which bacteria reproduce asexually
- - 8. virus that infects bacteria
 - 9. nonliving particle that can reproduce when in a living cell
- 10. enzyme injected into a host cell, which copies viral RNA into DNA
- 11. simple form of sexual reproduction
 - 12. cell in which a virus reproduces
- 13. poison produced by some bacteria
- 14. process by which some bacteria convert N₂ gas into ammonia

Multiple Choice Identify the choice that best completes the statement or answers the question.

	15.	Which of the following is NOT an evolutionary adaptation in bacteria?					
a. They have a high rate of mutation.							
	b. They can utilize substances harmful to other organisms.						
		c. They cannot exist under adverse conditions	S.				
		d. They reproduce rapidly.					
	16.	A structure in some bacteria that is resistant to adverse environmental factors is a(n)					
		a. coccus	c.	autotroph			
		b. endospore	d.	prophage			
	17.	Viruses are found in					
		a. air	c.	water			
		b. soil	d.	all of these			
	18.	Penicillin kills bacteria by					
		a. imprisoning them					
		b. causing holes to develop in their cell walls					
		c. depriving them of nutrients					
		d. consuming them					
	19.	Bacteria are used in					
		a. farming	c.	the medical industry			
		b. the food industry	d.	all of these			
	20.	A(n) is a virus that infects a bacterial cel	1.				
		a. endospore	c.	bacteriophage			
		b. decomposer	d.	plasmid			
	21.	The name streptococcus tells you that the bacte	ria a	are arranged as			
		a. groups of spirals		long chains of round cells			
		b. pairs of round cells	d.	chains of rods			
	22.	Viruses are					
		a. consumers	c.	parasites			
		b. decomposers	d.	producers			
	23.	Which of the bacteria is the cause of pneumoni	a?				
		a. streptococcus pneumoniae	c.	Treponema pallidum			
		b. rickettsia	d.	staphylococci			
	24.	Cyanobacteria are					
		a. photosynthetic autotrophs	c.	salt-loving archaebacteria			
		b. chemosynthetic autotrophs	d.	eubacterial heterotrophs			
	25.	Which of the following processes brings about	an e	exchange of genetic information between bacterial cells?			
		a. mutualism	c.	, - , -			
		b. replication	d.	binary fission			