18 Virus

Reinforcement and Study Guide

Section 18.1 Viruses

Viruses and Bacteria

In your textbook, read about the characteristics of a virus.

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

Column A	Column B
1. Genetic material of a virus	a. virus
2. Where a virus attaches to a host cell	b. T4 phage
3. Nonliving particle that replicates inside a living cel	II c. DNA or RNA
4. A virus's protein coat	d. capsid
5. Interlocks with a molecular shape in a host cell's plasma membrane	e. receptor site
6. Layer that surrounds the capsid of some viruses	f. envelope
7. A virus that infects E. coli bacteria	g. host
8. A cell in which a virus replicates	 h. attachment protein

In your textbook, read about viral replication cycles.

Complete the table by checking the correct column for each statement.

Statement	Lytic Cycle	Lysogenic Cycle
 Viral genes are expressed immediately after the virus infects the host cell. 		
10. Many new viruses are assembled.		
11. This cycle is preceded by a virus entering a host cell.		
12. Viral DNA is integrated into the host cell's chromosome.		
13. Viruses are released from the host cell by lysis or exocytosis.		
14. Reverse transcriptase is used to make DNA from the RNA of a retrovirus.		
 A provirus is replicated along with the host cell's chromosome. 		

Study Guide Chapter 18 Section 2 Viruses And Prions Answer Key

G Psacharopoulos

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