	Class	Date
Section 19–2 \	/iruses (pages 478–483)	
TEKS FOCUS: 3F C	ontributions of scientists in biology; 4C Co	empare viruses to cells
This section describes the cause infection.	ne structure of a virus. It also explains ho	w viruses
What Is a Virus?	(pages 478–479)	
1. What are viruses?		
2. What do all virus	es have in common?	
only with the aid	entence true or false? Most viruses ar of a powerful electron microscope ure of a typical virus?	
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	f what a virus's protein coat is called.	veic
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11. Circle the letter of each sentence that is true about a lysogenic infection.

- a. The virus lyses the host cell immediately.
- **b.** The virus embeds its DNA into the host's DNA.
- **c.** The virus's DNA is replicated along with the host cell's DNA.
- **d.** A host cell makes copies of the virus indefinitely.

12. Complete the flowchart about a lytic infection.

The bacteriophage attaches to the bacterium's ______.

The bacteriophage injects its ______ into the cell.

The cell makes mRNA from the bacteriophage's ______.

The virus wrecks the cell, causing it to _______.

The bursting of the cell releases new bacteriophage _____

13. What is a prophage?

Retroviruses (page 482)

- 14. What are retroviruses?
- 15. What happens when retroviruses infect a cell? _____

Viruses and Living Cells (pages 482–483)

- 16. Circle the letter of each reason why some biologists do not consider viruses to be alive.
 - **a.** They can't infect living cells.
 - **b.** They can't evolve.
 - **c.** They can't regulate gene expression.
 - **d.** They can't reproduce independently.