

19-1 SECTION REVIEW

1. What is a virus?
2. List and describe the parts of a bacteriophage.
3. Describe two methods of viral infection.
4. **Critical Thinking—Applying Concepts** How can a virus be helpful to its host?

19-2 SECTION REVIEW

1. Describe the four major phyla of the kingdom Monera.
2. Compare the three basic shapes of bacteria.
3. Distinguish between autotrophic and heterotrophic monerans. Between obligate aerobes, obligate anaerobes, and facultative anaerobes.
4. Describe binary fission and conjugation.
5. List some ways in which bacteria are important.
6. **Critical Thinking—Making Predictions** Suppose monerans lost the ability to fix nitrogen. How would this affect other organisms?

19-3 SECTION REVIEW

1. What are some diseases caused by viruses? By bacteria?
2. How can viral and bacterial diseases be prevented? How can they be treated?
3. Describe several methods of controlling bacterial growth.
4. **Connection—You and Your World** Why is it important to cook food thoroughly before canning?