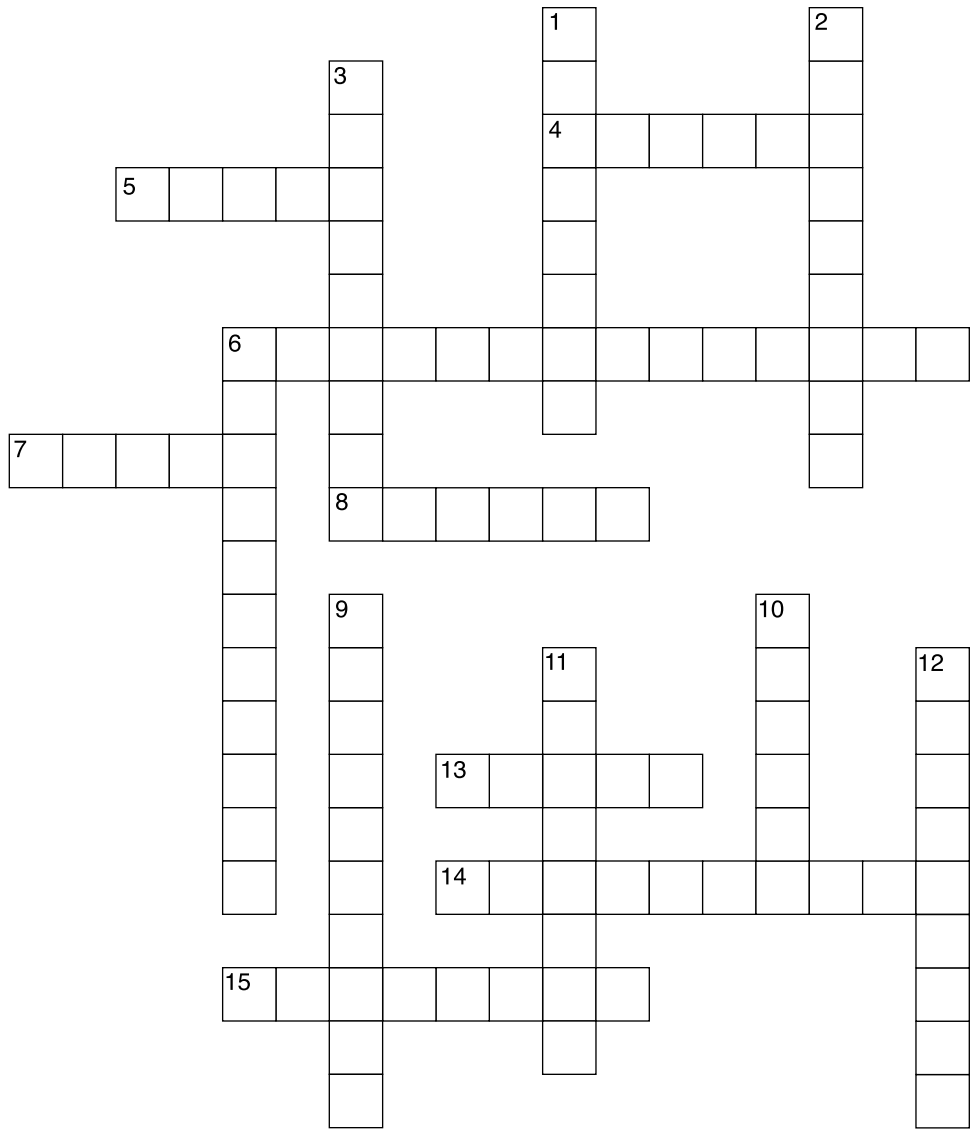


Chapter 19 Bacteria and Viruses **Chapter Vocabulary Review**

Crossword Puzzle Use the clues below and on the following page to complete the puzzle.



Across

- 4. the outer protein coat of a virus
- 5. particle of nucleic acid and protein that can reproduce only by infecting living cells
- 6. organism that obtains energy directly from inorganic molecules
- 7. an infectious particle made of protein rather than DNA or RNA
- 8. sphere-shaped bacterium
- 13. type of infection in which the host cell bursts and is destroyed
- 14. single-celled microorganism that lacks a nucleus
- 15. disease-causing agent

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Down

1. rod-shaped bacterium
2. type of spore that can remain dormant until favorable conditions for growth arise
3. type of infection in which a host cell makes copies of the virus indefinitely
6. how bacteria exchange genetic material
9. compound that blocks the growth and reproduction of bacteria
10. Bacteria may reproduce by _____ fission.
11. The process of converting nitrogen into a form that plants can use is _____ fixation.
12. a structure prokaryotes use to propel themselves

Completion *On the lines provided, complete the following sentences.*

16. The larger of the two kingdoms of prokaryotes is the _____.
17. The _____ may be the ancestors of eukaryotes.
18. A corkscrew-shaped bacterium is called a(an) _____.
19. A whiplike structure used for movement is a(an) _____.
20. A prokaryote that carries out photosynthesis is called a(an) _____.
21. A(An) _____ is photosynthetic, but also requires organic compounds for nutrition.
22. Organisms that require a constant supply of oxygen in order to live are called obligate _____.
23. Bacteria that are killed by oxygen are called obligate _____.
24. Bacteria that can survive with or without oxygen are known as _____ anaerobes.
25. Bacteria that attack and digest dead tissue are called _____.
26. A typical _____ is composed of a core of DNA or RNA surrounded by a protein coat.
27. A virus that infects bacteria is called a(an) _____.
28. A virus that stores its genetic information as RNA is called a(an) _____.
29. A(An) _____ can be used to cure many bacterial diseases.
30. Techniques of _____ rely on extreme temperatures or chemical action to destroy bacteria.