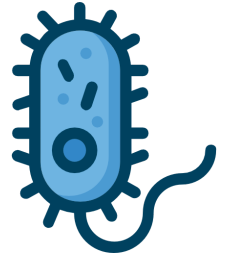


## CK12 Prokaryotes & Viruses

### 8-1 Bacteria Structure [https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda\\_/cbook/biology-for-high-school/section/8.1/primary/lesson/bacteria-structure](https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda_/cbook/biology-for-high-school/section/8.1/primary/lesson/bacteria-structure)

1. \_\_\_\_\_ are the most numerous organisms on the planet.
2. \_\_\_\_\_ are single-celled organisms that lack a nucleus.
3. The two domain prokaryotes are placed in are Bacteria and \_\_\_\_\_.
4. Prokaryotic cells are distinguished by their \_\_\_\_\_.
5. The 3 most common prokaryotic cell shapes are: \_\_\_\_\_.
6. The genetic material of prokaryotic cells is usually a single loop of \_\_\_\_\_.
7. Many prokaryotes have an extra outside layer, \_\_\_\_\_, for protection.
8. Most prokaryotes have a long, thin protein structure called a \_\_\_\_\_ for movement.
9. When do endospores form? \_\_\_\_\_.

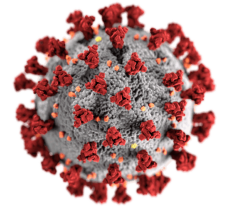


### 8-2 Bacteria and Humans [https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda\\_/cbook/biology-for-high-school/section/8.2/primary/lesson/bacteria-and-humans](https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda_/cbook/biology-for-high-school/section/8.2/primary/lesson/bacteria-and-humans)

10. What bacteria causes food poisoning? \_\_\_\_\_.
11. Name one ways humans use bacteria: \_\_\_\_\_.
12. Name a disease caused by bacteria? \_\_\_\_\_.
13. Besides spreading through contact, bacteria also spread by \_\_\_\_\_ from host to host.
14. What are the most common vectors of human diseases? \_\_\_\_\_.
15. Bacteria in food can be killed by \_\_\_\_\_.

### 8-3 Virus Characteristics [https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda\\_/cbook/biology-for-high-school/section/8.3/primary/lesson/virus-characteristics](https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda_/cbook/biology-for-high-school/section/8.3/primary/lesson/virus-characteristics)

16. Viruses are tiny particles that may cause \_\_\_\_\_.
17. Viruses contain \_\_\_\_\_ and not much else.
18. Viruses are much smaller than a cell. TRUE or FALSE \_\_\_\_\_.
19. An individual virus is called a \_\_\_\_\_.
20. What 2 traits do viruses share with living things? \_\_\_\_\_.
21. The study of viruses is called \_\_\_\_\_.
22. The best way to prevent viral diseases is with a \_\_\_\_\_ which produces **immunity**.
23. Name a childhood disease which is prevented with a vaccine. \_\_\_\_\_.
24. How does a vaccine work? \_\_\_\_\_.
25. Viruses are just genetic material with a protein coat called a \_\_\_\_\_.
26. A \_\_\_\_\_ is a virus that infects prokaryotes.



### 8-4 Viral Diseases [https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda\\_/cbook/biology-for-high-school/section/8.4/primary/lesson/viruses-and-human-disease-bio](https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnr3bmqqdj2q5lm5lda_/cbook/biology-for-high-school/section/8.4/primary/lesson/viruses-and-human-disease-bio)

27. In addition to the flu and HIV, name another disease caused by a virus: \_\_\_\_\_.
28. Viruses that live in a dormant state within the body are called \_\_\_\_\_.
29. The virus that causes chickenpox may remain latent and then later in life cause \_\_\_\_\_.
30. Cold sores are caused by a \_\_\_\_\_ virus.
31. What virus can cause cervical cancer? \_\_\_\_\_.
32. A \_\_\_\_\_ is an outbreak of a disease within a specific region.
33. How many influenza pandemics were there in the 20th century? \_\_\_\_\_.
34. What virus was introduced to the U.S. by an infected air traveler in the 1990's? \_\_\_\_\_.
35. A disease that can be spread from animal to humans is called \_\_\_\_\_.
36. Scientists who investigate disease outbreaks within a population are called \_\_\_\_\_.