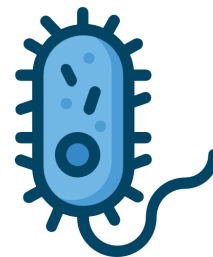


CK12 Prokaryotes & Viruses

8-1 Bacteria Structure

<https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnrb3bmqgdjc2q5lm5lda../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

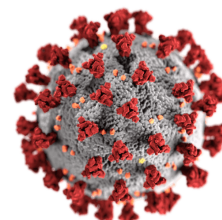
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10. What bacteria causes food poisoning? _____.
11. Name 3 ways humans use bacteria:
_____.
12. Name a disease caused by bacteria? _____.
13. Besides spreading through contact, bacteria also spread by _____ from host to host.
14. What are the most common vectors of human diseases? _____.
15. Bacteria in food can be killed by _____.
16. Why have some bacteria become resistant to antibiotics? _____.

8-3 Virus Characteristics

<https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnrb3bmqgdjc2q5lm5lda../cbook/biology-for-high-school/section/8.3/primary/lesson/virus-characteristics>

17. Viruses are tiny particles that may cause _____.
18. Viruses contain _____ and not much else.
19. Viruses are much smaller than a cell. TRUE or FALSE _____.
20. An individual virus is called a _____.
21. Although viruses cannot reproduce by themselves, what 2 traits do they share with living things? _____.
22. The study of viruses is called _____.
23. Name 3 diseases caused by viruses: _____.
24. The best way to prevent viral disease is with a _____ which produces **immunity**.
25. Name a childhood disease which is prevented with a vaccine. _____.
26. How does a vaccine work? _____.
27. Viruses are just genetic material with a protein coat called a _____.
28. Once inside a cell the virus inject _____ to have the cell make more viruses.
29. A _____ is a virus that infects prokaryotes.



8-4 Viral Diseases

<https://flexbooks.ck12.org/user:c2hhbm5hbi5tdxnrb3bmqgdjc2q5lm5lda../cbook/biology-for-high-school/section/8.4/primary/lesson/viruses-and-human-disease-bio>

30. In addition to the flu and HIV, name another disease caused by a virus: _____.
31. Viruses that live in a dormant state within the body are called _____.
32. The virus that causes chickenpox may remain latent and then later in life cause _____.
33. Cold sores are caused by a _____ virus.
34. What virus can cause cervical cancer? _____.

35. A _____ is an outbreak of a disease within a specific region.
36. A _____ is an outbreak that spreads throughout a large region or the world.
37. How many influenza pandemics were there in the 20th century? _____
38. What virus was introduced to the U.S. by an infected air traveler in the 1990's? _____
39. A disease that can be spread from animal to humans is called _____
40. Scientists who investigate disease outbreaks within a population are called _____