

Name _____

The Microscopic Showdown: Bacteria vs. Viruses

Multiple Choice Questions

1. What is one key difference between bacteria and viruses?
 - A) Bacteria can only replicate inside host cells.
 - B) Viruses have a cell wall.
 - C) Bacteria are considered living organisms.
 - D) Viruses can reproduce independently through binary fission.

2. Where can bacteria be found?
 - A) Only in the human body.
 - B) Nowhere, they are invisible.
 - C) Everywhere, from the ocean to soil.
 - D) Only in outer space.

3. What do viruses need to replicate?
 - A) Host cells.
 - B) Sunlight.
 - C) Oxygen.
 - D) Water.

4. What is binary fission?
 - A) A process where viruses replicate.
 - B) A process where bacteria divide into two identical cells.
 - C) A process where bacteria produce energy.
 - D) A process where viruses infect host cells.

5. Which statement is true about viruses?
 - A) They are responsible for decomposition in ecosystems.
 - B) They are considered living organisms.
 - C) They have the ability to reproduce independently.
 - D) They contain both DNA and RNA.

