

Section 19-3 Diseases Caused by Bacteria and Viruses

(pages 485-490)

This section describes bacterial and viral diseases.

Bacterial Disease in Humans (pages 485-486)

1. What are pathogens? _____
2. What are the two general ways that bacteria cause disease?
 - a. _____
 - _____
 - b. _____
 - _____
3. What kind of tissue do the bacteria that cause tuberculosis break down?

4. What are antibiotics? _____
- _____
5. What is one of the major reasons for the dramatic increase in life expectancy during the past two centuries? _____
- _____
- _____

Controlling Bacteria (pages 487-488)

6. What is sterilization? _____
7. A chemical solution that kills pathogenic bacteria is called a(an) _____.
8. Why will food stored at low temperatures keep longer? _____
- _____
- _____
9. How can food be preserved through canning? _____
- _____
- _____
- _____
10. What everyday chemicals can be used to inhibit the growth of bacteria in food?

Viral Disease in Humans (pages 488-489)

11. What are some human diseases that viruses cause? _____
- _____
- _____

Viral Disease in Animals (page 488)

12. Cancer-causing viruses are known as _____.

Viroids and Prions (page 490)

13. A disease-causing particle that contains only protein and not DNA or RNA is called a(an) _____.

WordWise

Answer the questions by writing the correct vocabulary terms in the blanks. Use the circled letter in each word to find the hidden word. Then, write a definition for the hidden word.

What is the viral DNA that is embedded in a host's DNA?

___ _ _ o _ _ _ _

What is a rod-shaped bacterium?

___ o _ _ _ _ _

What is a compound that blocks the growth and reproduction of bacteria?

___ _ _ _ _ _ o _ _

What is a virus that infects bacteria?

___ _ _ _ _ _ _ _ _ o _ _ _

What is a prokaryote that can capture sunlight for energy but also needs organic compounds for nutrition?

___ _ _ _ o _ _ _ _ _ _ _ _ _ _

What is the exchange of genetic information that occurs from one bacterium to another through a hollow bridge?

___ _ _ _ _ _ o _ _ _ _ _

What is a virus that contains RNA as its genetic information?

___ o _ _ _ _ _ _ _ _

What is the process in which nitrogen is converted into a form plants can use?

___ _ _ _ _ _ _ _ o _ _ _ _ _ _ _ _

Hidden Word: ___ _ _ _ _ _ _

Definition: _____