

## Section 19-3 Diseases Caused by Bacteria and Viruses

(pages 485-490)



**TEKS FOCUS:** 4C Role of viruses in causing disease; 4D Role of bacteria in causing disease; 11D Role of microorganisms in maintaining equilibrium

*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? \_\_\_\_\_