

# CHAPTER 42 IMMUNITY FROM DISEASES

## Section 42.1 The Nature of Disease

### Complete the Idea Map

Read the paragraphs in the boxes. Then use the **BOLDED** words in the paragraphs to complete the idea map.

Do you remember the last time you had a cold? A cold is one example of an **infectious disease**. Infectious diseases can be caused by viruses, bacteria, and other microbes.

Disease-causing microbes such as viruses and bacteria are known as **pathogens**. Pathogens enter the body in many ways. They can enter through **direct contact** with someone who carries a disease, through the air, or through **contaminated food or water**. After the pathogens enter your body, you may have **symptoms** of an infectious disease. A stuffy nose and sore throat are examples of symptoms caused by a cold.

**Antibiotics** are drugs used to treat some diseases caused by bacteria. Antibiotics have no effect on diseases caused by viruses.

