

Chapter 24**Vocabulary**

communicable disease
pathogen
infection
toxin
vector
immune system

inflammatory response
phagocyte
antigen
immunity
lymphocyte

antibody
vaccine
pneumonia
jaundice
emerging infection

Directions: Answer the following questions in the space provided.

1. Define *communicable disease* and list 8 ways to help reduce your risk of getting or spreading communicable diseases.

2. What is the relationship between pathogens and vectors?

3. How are phagocytes and lymphocytes similar and how are they different?

4. What are indications that you are experiencing an inflammatory response?

5. Describe the difference between an antigen and an antibody.

6. What is a significant difference between viral pneumonia and bacterial pneumonia?

7. State the reason Lyme disease is classified as an emerging infection.

Activity 88**Applying Health Skills**

FOR USE WITH CHAPTER 24, LESSON 1

Get the Facts

Directions: Several students are talking as they leave health class. Below are some of the statements that they made. Read the statements below. Then, using information from the lesson, correct any factual errors on the available lines.

1. I'm not worried about communicable diseases because antibiotics cure everything these days.

2. I don't need to wash my hands before lunch – I washed them earlier today.

3. You should have seen the great rare burger I got at the drive-thru last night. It smelled okay, and I love meat that is just slightly cooked. I'm sure I won't get sick.

4. Scientists should find a way to kill all bacteria, since all they do is cause disease.

5. As long as no one sneezes or coughs on me, I won't get a communicable disease.

6. I'll share my brush and comb with someone in the restroom as long as they use it quickly.

Activity 89**Applying Health Skills**

FOR USE WITH CHAPTER 24, LESSON 2

Give Your Immune System a Fighting Chance

Directions: Health behaviors have a direct effect on the functioning of the immune system. For each paragraph below, make one or more specific suggestions for changing health behaviors that would result in a better-functioning immune system.

1. **Terrance:** With college applications and SATs coming up, I can't seem to find enough time to do everything. In fact, I've been up half the night studying each night this week. I haven't had time to play basketball or eat a decent meal for weeks.

2. **Emily:** Jeff and I went to the movies last night. Afterward, we went out for a spaghetti dinner that was loaded with garlic. Luckily he let me use his toothbrush to get rid of the smell of garlic on my breath.

3. **James:** Don't tell mom, but I skipped that doctor appointment last week. I didn't want to get those immunization shots.

4. **Will:** I can't believe I was cut from the basketball team! That's the last time I try to get in shape for something. The only good part is the coach won't be bugging me to quit smoking.

Activity 90**Applying Health Skills**

FOR USE WITH CHAPTER 24, LESSON 3

Make the Diagnosis

Directions: You are assisting the doctors making rounds at a local hospital. Below are charts of patients on the ward. Review each patient's symptoms. Using that information along with information from the lesson, complete each chart.

Patient #1

Symptoms: runny nose, sneezing, sore throat

Possible Diagnosis: _____

Recommended Treatment: _____

Patient #2

Symptoms: chills, fever, sore throat, fatigue, swollen lymph nodes

Possible Diagnosis: _____

Recommended Treatment: _____

Patient #3

Symptoms: sore throat, fever, enlarged lymph nodes in the neck

Possible Diagnosis: _____

Recommended Treatment: _____

Patient #4

Symptoms: fatigue, coughing up blood, fever, night sweats, weight loss

Possible Diagnosis: _____

Recommended Treatment: _____

Patient #5

Symptoms: high fever, fatigue, headache, muscle aches, cough

Possible Diagnosis: _____

Recommended Treatment: _____

Chapter 24

Study Guide

- STUDY TIPS:**
- Read *You'll Learn To* for each lesson.
 - Look up the meaning of any unfamiliar vocabulary terms.
 - Read the questions below before you read the chapter.

Directions: As you read the chapter, answer the following questions. Later you can use this guide to review the information in the chapter.

Lesson 1

1. What is a communicable disease?

2. What causes diseases?

3. What is an infection?

4. What happens if the body is not able to fight an infection?

5. Name three types of pathogens.

6. What are the three major ways diseases are spread?

7. Name four ways pathogens are spread by direct contact.

Study Guide, Chapter 24 (Continued)

8. What is a vector?

9. Name two main sources of airborne transmission.

10. What is the single most effective way to prevent the spread of disease?

11. Name two ways to make sure food is handled properly.

12. List four strategies to help reduce the risk of getting or spreading a communicable disease.

Lesson 2

13. What is the immune system?

14. How do the two major defense strategies of the immune system differ?

Study Guide, Chapter 24 (Continued)

15. How do active and passive immunity differ?

16. What is a vaccine?

Lesson 3

17. What are three common respiratory infections?

18. How do hepatitis A and B differ from hepatitis C?

19. What is an emerging infection?
