

Chapter 17**Vocabulary**

digestion
 absorption
 elimination
 mastication
 peristalsis
 gastric juices
 chyme

bile
 indigestion
 heartburn
 hiatal hernia
 appendicitis
 peptic ulcer
 urine

nephrons
 ureters
 bladder
 urethra
 cystitis
 urethritis
 hemodialysis

Directions: Many of the words in the list are related. Create headings under which the words can be grouped, then fill in the table. Use as many of the chapter vocabulary words as possible in your table.

Functions of the Digestive System			
	indigestion	nephrons	cystitis

Activity 63**Applying Health Skills**

FOR USE WITH CHAPTER 17, LESSON 1

Dinner's Destinations

Directions: You and your family have just had a great dinner. Your dad made his famous green salad, and your mom made a veggie pizza. You also enjoyed a large glass of cold milk and some fruit for dessert. What happens to your dinner after it's been eaten? Through which organs does the food pass? What occurs in each of these organs? In the spaces provided below, describe the passage of food through your body. For each of the five numbered lines, describe the actions and process that occur in the organ listed.

1. Mouth:

2. Esophagus:

3. Stomach:

4. Small intestine:

5. Large intestine:

Activity 64**Applying Health Skills**

FOR USE WITH CHAPTER 17, LESSON 2

Health Tips

Directions: As a classroom project, your class is preparing a series of posters showing tips for keeping the digestive system healthy. Each poster lists one health behavior, and explains why that health behavior is important for maintaining a healthy digestive system. Unfortunately, the student who prepared the “why” section of each of the posters lost her work. Help your classmates by filling in the “why” section of each of the posters.

1. Wash Your Hands Before You Eat

Why: _____

2. Chew Your Food Thoroughly

Why: _____

3. Eat Plenty of Fiber

Why: _____

4. Drink at Least Eight 8-ounce Glasses of Water a Day

Why: _____

Activity 65**Applying Health Skills**

FOR USE WITH CHAPTER 17, LESSON 3

Doctor on Call

Directions: A doctor received a list of phone messages after she returned from her lunch break. Read each of the following phone messages. For each patient, give a possible diagnosis and possible treatments.

1. The lab report for a 29-year-old male states that salts in his urine have crystallized.

Possible Diagnosis: _____

Possible Treatment: _____

2. A 39-year-old female complains of burning pain during urination and increased frequency of urination.

Possible Diagnosis: _____

Possible Treatment: _____

3. The hospital admitting department called to report that one of your patients has been admitted due to a decrease in blood filtration by the kidneys.

Possible Diagnosis: _____

Possible Treatment: _____

4. An 18-year-old male complains of fever and blood in his urine.

Possible Diagnosis: _____

Possible Treatment: _____

Chapter 17**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. List three functions of the digestive system.

2. What are three structures involved in ingestion?

3. What is peristalsis? Why is it essential to the process of digestion?

4. What are three functions of the stomach in the process of digestion?

5. What organ produces bile? What is the function of bile?

6. Explain the role of the small intestine in the digestive process.

Lesson 2

7. Describe two behaviors that can help maintain the health of the digestive system.

8. Describe indigestion and name two causes of indigestion.

Study Guide, Chapter 17 (Continued)

9. Why should laxatives only be used when recommended by a health care provider?

10. What are the symptoms of appendicitis? What are the possible treatments?

11. What are the symptoms of a peptic ulcer? What are two of the causes of peptic ulcers?

Lesson 3

12. What are the main components of urine?

13. Describe the structure of a nephron. Where are nephrons found?

14. What are ureters? What is their function?

15. Describe the symptoms of urethritis.

16. Explain how hemodialysis can be used to treat kidney problems.
