

Chapter 18

Vocabulary

endocrine glands	reproductive system	ova
hormones	sperm	uterus
thyroid gland	testosterone	ovaries
parathyroid glands	testes	ovulation
pancreas	scrotum	fallopian tubes
pituitary gland	penis	vagina
gonads	semen	cervix
adrenal glands	sterility	menstruation

Directions: In the appropriate spaces in the box below, write the number of the term on the right that matches each definition on the left. When you are finished, the rows, columns, and diagonals should all add up to the same number.

- | | |
|---|------------------|
| A. Chemical substances produced in glands | 1. pancreas |
| B. Gland that serves the digestive and endocrine systems | 2. menstruation |
| C. Gland that regulates bone growth and metabolism | 3. cervix |
| D. Sac of skin holding the testes | 4. ova |
| E. Thick fluid containing sperm and other secretions | 5. semen |
| F. Opening to the uterus | 6. hormones |
| G. Shedding of the uterine lining | 7. scrotum |
| H. Muscular passageway from the uterus to the outside of the body | 8. thyroid gland |
| I. Female reproductive cells | 9. vagina |

A	B	C	=	<u> 15 </u>
D	E	F	=	<u> 15 </u>
G	H	I	=	<u> 15 </u>
=	=	=		
<u> 15 </u>	<u> 15 </u>	<u> 15 </u>		

Activity 66**Applying Health Skills**

FOR USE WITH CHAPTER 18, LESSON 1

Name That Gland

Directions: Endocrine glands control a wide range of body functions. When a problem arises, the pituitary gland triggers the appropriate endocrine gland to release hormones. Sometimes, however, the various endocrine glands malfunction. The passages below are parts of conversations overheard in an endocrinology clinic waiting room. Analyze the conversations to identify each patient's symptoms and condition. Then identify the gland involved and explain what causes the symptoms.

1. **Patient A:** "These new pants are too tight. I must have gained weight since I bought them last month. Do you think it's cold in here, or is it just me? It seems like I'm always cold. I'd walk around to warm up, but I feel too tired to leave my chair. By the way, have you noticed that I've lost some of my hair?"

Analysis:

2. **Patient B:** "Yeah, I broke my arm again. It's the third broken bone in the last six months. And, I'm always covered with bruises. Every time I bump something I get huge bruises. Oh, I was wondering, do you think my face looks round?"

Analysis:

3. **Patient C:** "They sure keep it hot in here. I hope the doctor sees me soon because I'm too edgy to sit still much longer. My heart is racing. I also have to go to the bathroom, again. Remind me to tell the doctor that I've lost weight."

Analysis:

4. **Patient D:** "I went to the bathroom before we left home, but I have to go again. If the nurse calls for me before I get back, ask her to get me a glass of water, because I'm really thirsty. Geez, I'm tired; maybe it's because I lost all that weight."

Analysis:

Activity 67**Applying Health Skills**

FOR USE WITH CHAPTER 18, LESSON 2

Mix and Match

Directions: Carlos has a big health test tomorrow on the male reproductive system. During study hall, he made up a set of study cards with the names of various structures of the male reproductive system on one card and the role of that system on another card. On the way home from school, Carlos dropped the cards. One of the cards fell into a storm sewer and was washed away, and the others are now out of order. Help Carlos organize the cards so he can study for his test. Determine which cards go together and which one is missing.

1. produces secretions that neutralize acid in semen

2. stores sperm

3. prostate gland

4. produces fluid that nourishes sperm

5. testes

6. seminal vesicles

7. produces secretions that combine with sperm to form semen

8. Cowper's glands

9. vas deferens

10. propels sperm to urethra

11. produces sperm

12. Missing card

Matching cards: _____

Activity 68**Applying Health Skills**

FOR USE WITH CHAPTER 18, LESSON 3

Problems of the Female Reproductive System

Directions: Problems relating to the female reproductive system can range from temporary discomfort to life threatening illnesses. Read the descriptions below and identify the specific problems and treatments.

1. **Symptoms:** nervous tension, anxiety, irritability, bloating, weight gain, depression, mood swings, and fatigue

Problem: _____

Treatment: _____

2. **Symptoms:** vaginal infection, discharge, odor, pain, itching, and burning

Problem: _____

Treatment: _____

3. **Symptoms:** vomiting, diarrhea, sunburn-like rash, red eyes, dizziness, and muscle aches

Problem: _____

Treatment: _____

4. **Symptoms:** abdominal cramps, ranging from mild to severe

Problem: _____

Treatment: _____

5. **Symptoms:** painful and chronic abdominal or low back pain, painful menstruation, or sometimes there are no symptoms (tissue that lines uterus migrates and grows on nearby organs or reproductive components).

Problem: _____

Treatment: _____

Chapter 18

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. Why is the pituitary gland known as the master gland of the endocrine system?

2. What are the roles of the thyroid and parathyroid glands?

3. State two functions of the adrenal glands.

4. What is a goiter, and what causes it?

Lesson 2

5. What are two purposes of testosterone in males?

6. What are the testes and scrotum, and how are they related?

7. List five ways of caring for the male reproductive system.

Study Guide, Chapter 18 (Continued)

8. How do the symptoms of gonorrhea and genital herpes differ in males?

9. What is sterility? What causes it in males?

10. Why is it important for males to do testicular self-exams?

Lesson 3

11. State the reproductive roles of the ovary, fallopian tube, and uterus.

12. What is menstruation?

13. When should breast self-exams be performed?

14. Name three health problems related to menstruation.

15. List three common causes of infertility in females.
