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Subscriptions

- Health Science: Concepts and Applications, 1st Edition**
 By: Jacquelyn Rhine Marshall and Sue C. Roe
 Duration: Perpetual Access
- Health Science: Concepts and Applications, 1st Edition, Companion Website**
 By: Jacquelyn Rhine Marshall and Sue C. Roe
 Duration: Perpetual Access
- Health Science: Concepts and Applications, 1st Edition, Workbook**
 By: Jacquelyn Rhine Marshall and Sue C. Roe
 Duration: Perpetual Access

Option 2

Click the activity icon within the Student Textbook.

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Health Science: Concepts and Applications, 1st Edition Page 171 page...

Chapter 6 Anatomy and Physiology

Epidermis

Dermis

Subcutaneous

Figure 6.4 The skin covers and protects the entire body.

Pore of sweat gland duct

Hair

Tactile corpuscle

Sebaceous gland

Sweat gland duct

Hair follicle

Vein

Artery

Sweat gland

Lipocytes (fat cells)

Sweat Glands. Sweat glands, also referred to as *sudoriferous glands*, play an important role in regulating body temperature. There are two types of sweat glands: *apocrine* and *eccrine*. Apocrine sweat glands secrete sweat at the hair follicles in the groin, anal region, and armpits. Eccrine sweat glands are located all over the skin, but are more prominent on the palms, feet, forehead, and upper lip.

Hair and Fingernails

In addition to contributing to our physical appearance, body hair also serves several important purposes. Body hair helps regulate body temperature, functioning as a sensor to detect skin changes. Hair in the nose helps to filter out dust and other small particles, while the eyelashes protect our eyes from foreign objects.

Both hair and fingernails are composed of the protein *keratin*. As specialized epithelial cells grow out and over the nail bed, they become keratin. The *cuticle* of the nail is a fold of tissue at the nail root. The nails' pinkish color comes from blood vessels beneath them, while the half-moon-shaped area is a result of a thicker layer of cells at the nail's base.

There are many diseases and disorders associated with the integumentary system. Some of these include eczema, dermatitis, psoriasis, and skin cancer. There are also various diseases associated with viruses that affect the integumentary system. These diseases are commonly known as *chicken pox*, *shingles*, *cold sores*, *genital herpes*, and *human papillomavirus (HPV)*.

The Musculoskeletal System

Together, the muscular and skeletal systems form the framework that holds the human body together. While these systems are sometimes considered separately, they are known collectively as the *musculoskeletal system*. The entire musculoskeletal system consists of bones, joints, and muscles.

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Companion Website

Health Science
Concepts and Applications
Jacquelyn White Marshall • Sue C. Riv

G-W Learning | Help

Health Science: Concepts and Applications

[Interactive Glossary](#) Collapse All

[Simulate EHR](#)

[Interactive Glossary](#)

Click the link to access key vocabulary terms.

Unit 1 - Introduction to Healthcare

[1 - Introduction to Healthcare Systems](#) ▼

Build Vocabulary

- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)

Assess

- [Review and Assessment](#)

[2 - Exploring Healthcare Careers](#) ▼

Build Vocabulary

- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)

Assess

- [Review and Assessment](#)

[3 - Healthcare Law and Ethics](#) ▼

Build Vocabulary

- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)

Assess

- [Review and Assessment](#)

[4 - Safety and Infection Control](#) ▼

Build Vocabulary

Build Skills with Interactive Learning

Access videos, animations, assessments, vocabulary tools, and activities.

Note: Resources may vary by title.

Easy Navigation

Content is clearly organized into Units, Chapters, or Lessons.

Videos

Bring content to life and illustrate skills in the real world.

activities **6: Figure 6.20 Animation Video**

Blood Flow Through the Heart

01:09 HD

E-Flash Cards

Reinforce new vocabulary and study on the go.

activities **10: E-Flash Cards**

Term (1 of 11)

Select to flip

biopharmaceuticals

Previous Remove Next

Student Activities

Students can work independently and check their comprehension.

Student Activity

Instructions

Organism Human Tissue level Tissue of liver Organ level Liver Cellular level Typical cell System level Digestive system

© Body Scientific International

SUBMIT

11: Vocabulary Game

Select a point value. Choose the term that matches the definition.

100	100	100	100
200	200	200	200
300	300	300	300
400	400	400	400

Definition: A pulse taken at either of the two main arteries located on each side of the neck.

- bradycardia
- hypoventilation

Vocabulary Games

Help students master vocabulary with these interactive games that work well for whole class instruction or small groups competing for points.

18: Review and Assessment

True or False

- True or False?* Perfume should be worn while interacting with patients.
- True or False?* Conflict resolution is something *only* your supervisor needs.
- True or False?* Chewing gum during a job interview is unacceptable.
- True or False?* A firm handshake is important when interviewing for a job.
- True or False?* Only a small number of jobs are found through government and private employment agencies.
- True or False?* You should feel free to ask about a potential salary as soon as you are interviewed.
- True or False?* Soft skills include friendliness, optimism, and the ability to communicate well with others.
- True or False?* Making direct eye contact with a potential employer is a sign of dominance and should be avoided.
- True or False?* It is important to address your cover letter to a specific person instead of using *To Whom It May Concern*.
- True or False?* Employees in healthcare facilities never work as a team.

Check Your Understanding

Test comprehension with short quiz questions. Students can save their responses and e-mail them to the teacher.

Additional Training Tools

Take a closer look at other resources at www.g-w.com/training