# Answers to Questions in the Workbook, Chapter 28, Basic Body Structure and Function

**Activity A FILL IN THE BLANKS**

1. The health care team plays an important role in helping people to achieve their best possible level of functioning.

2. Physiology is the study of how the body parts work.

3. Changes in a person’s normal anatomy or physiology can lead to disease or disability.

4. Anatomy is the study of what body parts look like, where they are located, how big they are, and how they connect to other body parts.

**Activity B MATCHING**

1. d

2. c

3. b

4. a

**Activity C REARRANGE IN THE RIGHT ORDER**

Chapter 23 - Answers to Student1

**Activity D LABEL THE FIGURE**

A. Rough endoplasmic reticulum

B. Centrioles

C. Mitochondrion

D. Smooth endoplasmic reticulum

E. Golgi apparatus

**Activity E MATCHING**

1. d

2. c

3. b

4. a

**Activity F IDENTIFY THE ORGANS IN THE FIGURE**

1. Integumentary system

2. Skeletal system

3. Muscular system

4. Respiratory system

5. Cardiovascular system

6. Nervous system

7. Endocrine system

8. Digestive system

9. Urinary system

10. Reproductive system

**Activity G MATCHING**

1. d

2. c

3. e

4. a

5. b

6. h

7. i

8. j

9. f

10. g

**Activity H SHORT ANSWER**

As we run back and forth on the court, we breathe harder and our heart rate increases, as our respiratory and circulatory systems work to send extra oxygen to our tissues. Our tissues need the extra oxygen because they use it to help produce the energy that allows us to keep playing. Sweating cools the body and causes fluid to be lost. We become thirsty to signal us to drink water and replace the lost fluid.

**Activity I TRUE OR FALSE**

1. F. A person’s living conditions and health habits DO play a major role in a person’s overall health.

2. T

3. T

4. F. A person’s emotional health DOES directly affect their physical health.

**Activity J LIST THE FACTORS**

1. Age

2. Sex

3. Heredity

4. Lifestyle

5. Occupation

**Activity K FILL IN THE BLANKS**

1. Metabolic (endocrine) disorders, such as diabetes, occur when the body is unable to metabolize or absorb certain nutrients.

2. Psychiatric disorders, such as depression, affect a person’s ability to function normally.

3. Immune disorders, such as AIDS, reduce the immune system’s ability to fight off infections.

4. Degenerative diseases, such as osteoporosis and muscular dystrophy, occur when the tissues of the body wear out or break down.

**Activity L FIND THE WORDS IN THE GRID**

