**Directed Reading for  
Content Mastery****Section 3 ■ The Skin**

**Directions:** For each of the following, write the letter of the term that best completes the sentence.

- \_\_\_\_\_ 1. Skin consists of \_\_\_\_\_ layers of tissue.  
a. two                                      b. three
- \_\_\_\_\_ 2. The outermost, thinnest layer of skin is the \_\_\_\_\_.  
a. dermis                                    b. epidermis
- \_\_\_\_\_ 3. The pigment that protects your skin and gives it color is \_\_\_\_\_.  
a. melanin                                 b. vitamin D
- \_\_\_\_\_ 4. The middle layer of skin that contains many blood vessels, nerves, muscles, oil and sweat glands, and other structures is the \_\_\_\_\_.  
a. dermis                                    b. epidermis
- \_\_\_\_\_ 5. One of the functions of skin is to regulate \_\_\_\_\_.  
a. body temperature                      b. muscles
- \_\_\_\_\_ 6. The skin is the body's largest \_\_\_\_\_.  
a. tissue                                     b. organ
- \_\_\_\_\_ 7. The outermost cells of the epidermis are \_\_\_\_\_.  
a. living                                      b. dead
- \_\_\_\_\_ 8. The layer of skin below the dermis is the \_\_\_\_\_.  
a. fatty layer                                b. epidermis
- \_\_\_\_\_ 9. An important function of skin is the formation of \_\_\_\_\_.  
a. vitamin D                                b. calcium
- \_\_\_\_\_ 10. Because skin has specialized \_\_\_\_\_, you can feel heat and softness.  
a. blood vessels                            b. nerve cells
- \_\_\_\_\_ 11. The adult human dermis has about \_\_\_\_\_ sweat glands.  
a. 30,000                                    b. 3,000,000
- \_\_\_\_\_ 12. The components of hemoglobin are \_\_\_\_\_.  
a. pigments                                 b. melanin

**SECTION**  
**3**

**Reinforcement**

**The Skin**

**Directions:** *List the five functions of skin.*

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Directions:** *Answer the following questions on the lines provided.*

6. How does sweating help a runner?

\_\_\_\_\_

\_\_\_\_\_

7. Name two waste products that sweat glands release. \_\_\_\_\_

8. Under what conditions is vitamin D produced by the body and where?

\_\_\_\_\_

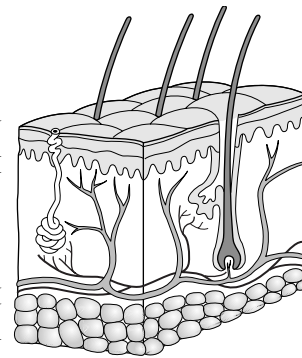
\_\_\_\_\_

9. Why does the body require vitamin D?

\_\_\_\_\_

**Directions:** *Label the three layers on the illustration of the skin.*

- 10a. \_\_\_\_\_
- 10b. \_\_\_\_\_
- 10c. \_\_\_\_\_



11. Why does a person's skin usually get darker during the summer?

\_\_\_\_\_

12. How does skin try to repair itself when the epidermis is slightly injured?

\_\_\_\_\_