

SECTION 45-4 REVIEW

INTEGUMENTARY SYSTEM

VOCABULARY REVIEW Define the following terms.

1. exocrine gland _____

2. melanin _____

3. sebum _____

4. keratin _____

5. sweat gland _____

MULTIPLE CHOICE Write the correct letter in the blank.

- _____ 1. The dermis
 - a. covers the epidermis.
 - b. produces melanin.
 - c. contains nervous tissue and blood vessels.
 - d. consists mostly of dead cells.
- _____ 2. Which of the following is secreted by oil glands in the skin?
 - a. melanin
 - b. sebum
 - c. keratin
 - d. sweat
- _____ 3. Which of the following is *not* a function of the layer of fat cells beneath the dermis?
 - a. produces oil
 - b. provides an energy reserve
 - c. absorbs shock
 - d. insulates the body
- _____ 4. Hair and nails are composed primarily of
 - a. sebum.
 - b. keratin.
 - c. glands.
 - d. All of the above
- _____ 5. Sweat glands
 - a. secrete sebum into the bloodstream.
 - b. stimulate hair follicles.
 - c. help maintain a steady body temperature.
 - d. insulate the body.

SHORT ANSWER Answer the questions in the space provided.

1. Describe the functions of the skin. _____

2. How does exposure to ultraviolet light influence melanin production in the skin? _____

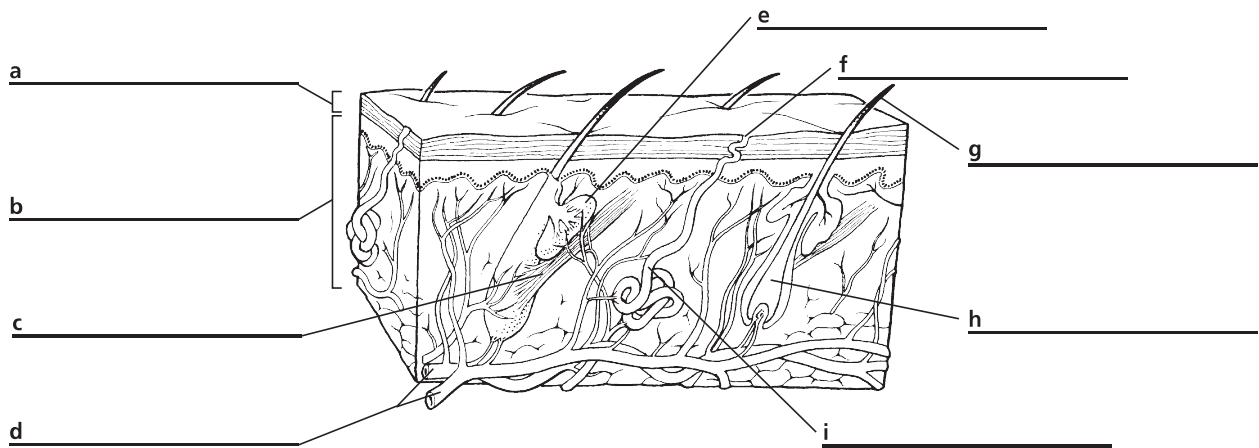
3. Describe the functions of the epidermis. _____

4. How are hair and nails similar in structure? _____

5. **Critical Thinking** What causes freckles and pigmented moles? _____

STRUCTURES AND FUNCTIONS Use the figure below to answer the following questions.

1. Label each part of the figure in the spaces provided.



2. Which structures contain keratin? _____

3. Explain how the dermis enables the body to interact with the external environment. _____
