

The Integumentary System Exit Quiz – Student Edition

A. Multiple Choice

1. Which of the following is **not** an organ of integumentary system?
 - A. bones
 - B. hair
 - C. nails
 - D. skin
2. What is the function of the sebaceous glands in the skin?
 - A. to produce oil
 - B. to produce hair
 - C. to produce sweat
 - D. to produce melanin
3. What is the function of hair in the integumentary system?
 - A. to regulate body temperature
 - B. to provide sensory information
 - C. to protect the skin from UV radiation
 - D. all of the above
4. What is the role of melanin in the skin?
 - A. to produce oil
 - B. to provide skin color
 - C. to protect against infection
 - D. to regulate body temperature
5. Which layer of the skin contains blood vessels and nerve endings?
 - A. dermis
 - B. epidermis
 - C. hypodermis
 - D. sebaceous layer

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B. Match each definition with the correct term.

- | | | |
|-------|---|---------------|
| _____ | 1. outermost layer of the skin | a. dermis |
| _____ | 2. innermost layer of the skin | b. epidermis |
| _____ | 3. tough protein that fills hair cells | c. follicle |
| _____ | 4. skin structure where a hair originates | d. hypodermis |
| _____ | 5. major organ of the integumentary system | e. keratin |
| _____ | 6. oily substance secreted by glands in the skin | f. melanocyte |
| _____ | 7. type of cell that produces a brown pigment in skin | g. sebum |
| | | h. skin |

C. On the blank, write true if the statement is true or false if the statement is false.

- _____ 1. The human skin is about 2 centimeters thick.
- _____ 2. All the cells on the surface of the epidermis are dead.
- _____ 3. People with light skin have fewer melanocytes per square inch than people with dark skin.
- _____ 4. The production of melanin in the skin is stimulated by exposure to ultraviolet light.
- _____ 5. Sweat contains only water and salt.
- _____ 6. When blood vessels in the skin dilate, more heat reaches the body surface.
- _____ 7. Skin damaged by ultraviolet light is at greater risk of developing cancer.