

Anatomy & Physiology Worksheet

Integumentary System A

Name _____ Date _____ Period _____

1. List three functions of the integumentary system and name the corresponding structure or part responsible for each function.

2. Match the epidermal layers with the appropriate statement.

- a. stratum basale
- b. stratum spinosum
- c. stratum granulosum
- d. stratum lucidum
- e. stratum corneum

_____ the outermost layer

_____ the layer which is the source of new epidermal cells

_____ the layer in which keratin synthesis begins and cells begin to die

_____ named because the cells look like miniature pincushions

_____ cells have eleidin, found only in thick skin

_____ layer of dead cells that are filled with keratin

3. From what layer of skin do the nails form?

4. How are the epidermal ridges formed? Why are they important?

5. Name the pigments responsible for skin color. What is an albino?

6. How do epidermal cells absorb melanin?

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Integumentary System B

Name _____ **Date** _____ **Period** _____

1. Name the sense receptors in the skin and list the function of each.

2. Distinguish between eccrine and apocrine sweat glands.

3. Explain how and when hair develops.

4. What produces “goose bumps?”

5. Describe the reticular layer, including where it is found, the tissue types, and the functions. (5 points)

6. What is dermatoglyphics and how is it used?

- 7- The outer layer of a hair shaft is called the _____.

8. The inner layer of a hair shaft is called the _____.