

MODULE 7

Answer the following multiple choice questions:

- The layers of the epidermis, from deep to superficial are:
- Stratum corneum, stratum granulosum, stratum spinosum, stratum basale.
- Stratum basale, stratum spinosum, stratum granulosum, stratum corneum.

- Stratum basale, stratum granulosum, stratum corneum, Stratum spinosum.
- Stratum corneum, stratum spinosum, stratum granulosum, stratum basale.

B. Stratum basale, stratum spinosum, stratum granulosum, stratum corneum

- Exocrine glands secrete _____; Endocrine glands secrete _____.
- for body-wide distribution, into an epithelial lining
- into an epithelial lining, for body-wide distribution
- through a duct, into the bloodstream
- into the bloodstream, through a duct
- A&D
- B&C

F. B&C

- Which of the following is false regarding the epidermis:
- It is avascular.
- As cells divide they are pushed towards the basement membrane.
- The cells of the stratum basale cells have a high rate of cell division.
- Epidermal ridges form a person's fingerprints.

B. As cells divide they are pushed towards the basement membrane.

(False, as cells divide they are pushed towards the external surface of the stratum corneum)

Answer the following three questions:

- A person touches a hot cup of coffee. What type of sensory organ detects this information?

Thermoreceptor

- Merkel cells are embedded in what layer of the skin?

Epidermis

- In your own words, how can the skin be used to determine if a person is dehydrated?

A person who is dehydrated has decreased water content in the dermal layer of their skin. A person can be tested for dehydration by pinching the skin on the back of the hand. One