

Lab 3: Integumentary System

Learning outcomes of the lab exercises:

1. Locate on microscope slides and classroom models the major structures of the skin.
2. Describe the major functions of the skin.
3. Distinguish the locations and components of the epidermis, dermis and hypodermis.
4. Identify and sketch regions of the skin and associated accessory structures such as hair and glands that were observed on the microscope slides.

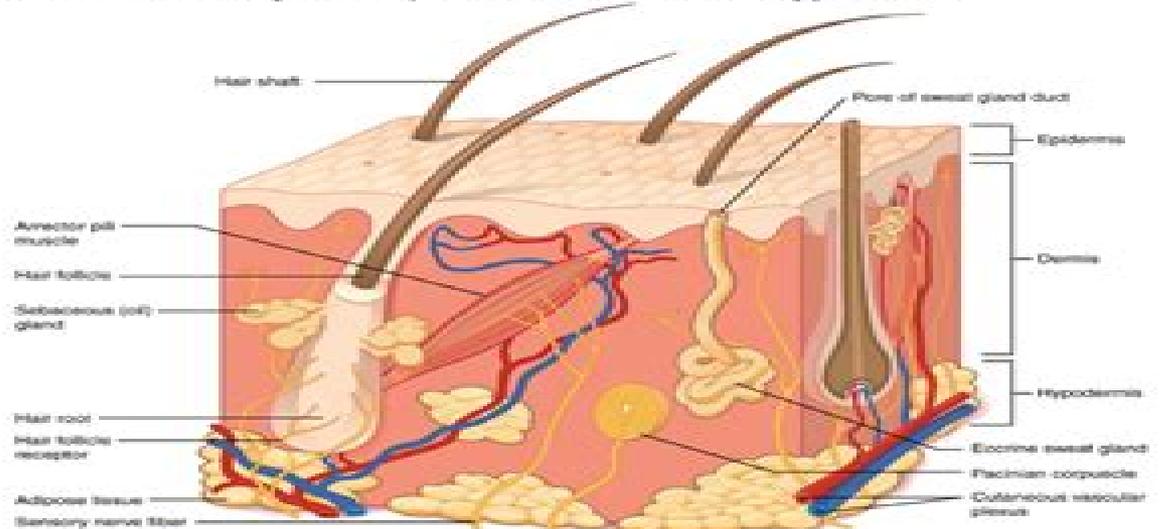
"Although you may not typically think of the skin as an organ, it is in fact made of tissues that work together as a single structure to perform unique and critical functions. The skin and its accessory structures make up the integumentary system, which provides the body with overall protection... It also has numerous sensory, and autonomic and sympathetic nerve fibers ensuring communication to and from the brain."

OpenStax A&P pg. 180

I. **SKIN AND ITS TISSUES (Cutaneous Membrane)**

A. **General Structure:**

1. Two distinct regions or layers compose the skin:
 - a. **Epidermis** = outermost layer;
 - keratinized stratified squamous ET.
 - b. **Dermis** = inner layer;
 - glandular epithelium (sweat, sebaceous glands),
 - dense irregular CT (collagen),
 - smooth muscle tissue (arrector pili muscles),
 - nervous tissue (Meissner's & Pacinian Corpuscles), and
 - hair follicles and blood vessels
2. **Subcutaneous layer** = adipose tissue; also called **hypodermis**



The Integumentary System Lab Answers

Julia Schneider



The Integumentary System Lab Answers:

Unveiling the Energy of Verbal Beauty: An Emotional Sojourn through **The Integumentary System Lab Answers**

In a world inundated with monitors and the cacophony of instant connection, the profound power and psychological resonance of verbal artistry usually disappear into obscurity, eclipsed by the continuous barrage of sound and distractions. Yet, situated within the musical pages of **The Integumentary System Lab Answers**, a interesting perform of literary brilliance that impulses with fresh thoughts, lies an unforgettable journey waiting to be embarked upon. Written with a virtuoso wordsmith, this interesting opus books visitors on a mental odyssey, lightly revealing the latent possible and profound influence embedded within the intricate web of language. Within the heart-wrenching expanse with this evocative analysis, we can embark upon an introspective exploration of the book is main styles, dissect its interesting writing design, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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