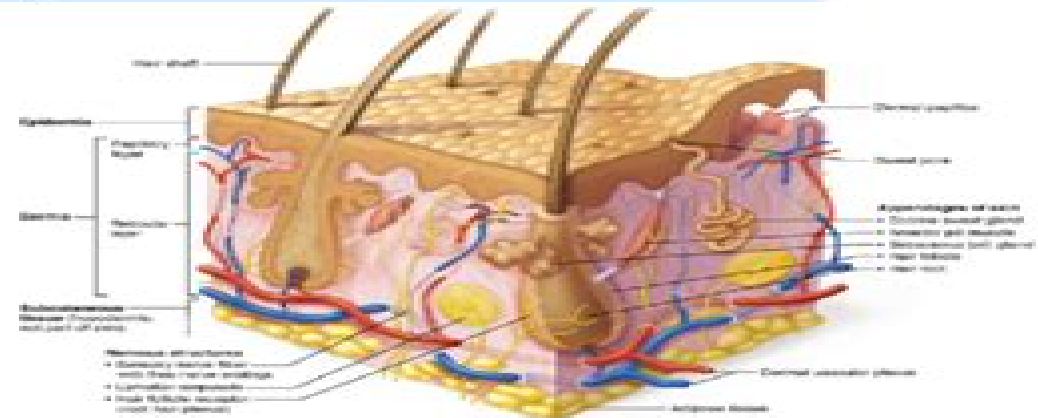


CHAPTER 5

The Integumentary System

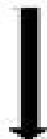
5.1 – THE SKIN CONSISTS OF 2 LAYERS: THE EPIDERMIS AND DERMIS

- 2 layers:
 - Epidermis:** Composed of epithelial cells; outermost protective shield of the body
 - Epi = Upon
 - Dermis:** Underlying bulk of skin; tough, leathery layer composed mostly of dense connective tissue
 - Highly vascularized
- Nutrients reach epidermis by diffusing through tissue fluid via BV in the dermis
- Hypodermis (Subcutaneous) Tissue:** Subcutaneous tissue deep to skin
 - Not part of skin; also known as superficial fascia
 - Stores adipose tissue; shock absorber and insulator (↓ heat loss)
 - Anchors the skin to the underlying structures
- Sliding skin protects by ensuring many blows bounce off the skin



5.2 – THE EPIDERMIS IS A KERATINIZED STRATIFIED SQUAMOUS EPITHELIUM

SUPERFICIAL



DEEP

- There are 4 or 5 layers of the epidermis:
 - Stratum Corneum
 - Stratum Lucideum
 - Stratum Granulosum
 - Stratum Spinosum
 - Stratum Basale
- 4 distinct cells:
 - Keratinocytes
 - Melanocytes
 - Dendritic (Langerhans) Cells
 - Tactile (Merkel) Cells

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only one extant genus *Pelobates*, containing four species. ADW: Pelobatidae: INFORMATION Pelobatids are squat and toadlike, with soft skins and fossorial habits. This treatment places Megophryidae in a separate family, leaving but two or three ... Spadefoot Toads (Pelobatidae) Frogs in this family are often mistaken for toads (exemplified by the common name, "spadefoot toads"). They do not have the warty skin of true toads, however, ... Natural History of the White-Inyo Range Spadefoot Toads (Family Pelobatidae). Great Basin Spadefoot Toad, *Spea* ... A related species in southeastern California, the Couch's Spadefoot Toad (*S. couchii*) ... Couch's spadefoot (*Scaphiopus couchi*) Couch's spadefoot (*Scaphiopus couchi*). Order: Salientia Family: Pelobatidae (spadefoots) Other common name: spadefoot toad. Spanish names: sapo con espuelas ... Spadefoot toad | burrowing, nocturnal, desert 3 days ago — All spadefoot toads are classified in the family Pelobatidae. Spadefoot toads have a broad, horny “spade” projecting from the inside of each Pelobatidae - European Spadefoot Toad Family - Apr 21, 2017 — The family Pelobatidae is the European Spadefoot toads but they aren't just found in Europe, they are also found in Asia and Northern Africa.