**Study Guide**

* Structure of skin
  + Layers – structure & function
    - Epidermis – basale, spinosum, granulosum, lucidum, corneum
    - Dermis – papillary & reticular
    - Hypodermis
  + What cell types and tissues are in each layer? What are their respective functions?
    - Keratinocytes vs. Melanocytes
    - Langerhern cells vs. Merkel cells
  + Melanin – types, function, production
  + Keratin – function, description
  + Keratinization
* Skin color
  + Pigment types & functions
  + how is it determined
  + functions
  + Freckles, moles, age spots
* Accessory structures – types, structure, function, growth
  + Hair & hair follicles – Lanuga, terminal, & vellus
  + Sebaceous glands
  + Sudoriferous glands – eccrine & apocrine
  + Nails
* Functions of skin
  + Thermoregulation
  + Protection
  + Sensation
  + Excretion & Absorption
  + Vitamin D
* Medical concerns
  + Stretch marks
  + Alopecia
  + Wound healing – surface & deep, process of healing
  + Skin cancer – types, process
  + Burns – degrees, impacts