

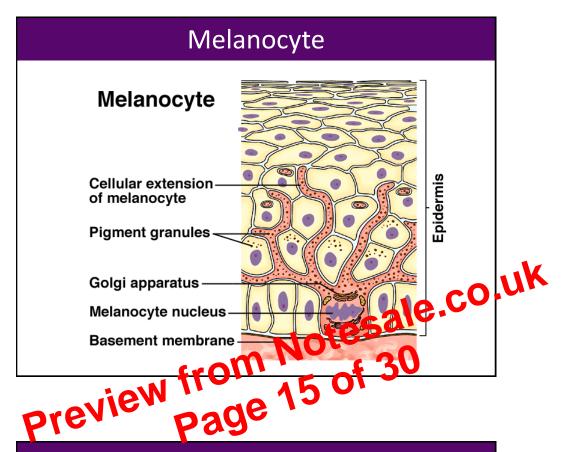
Skin = Dermis + epidermis

- **Dermis** = layer of dense connective tissue
- **Epidermis** = (upon the dermis) layer of • keratinized stratified squamous epithelium
 - Hypodermis = foundation of house a.
 - Dermis = houseb.
 - c. Epidermis = roof

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Hypodermis (*"under + skin"*) or Subcutaneous ("below + skin")

- 1. Attaches skin to underlying bone and muscle
- 2. Supplies skin with blood vessels & nerves
- 3. Not part of the skin
- 4. Composed of loose connective & adipose tissue
 - a. Padding & insulation
 - b. Total body fat estimates made from pinching hypodermis
- 5. Site of subcutaneous injections



Abnormal Skin Colors

- **Cyanosis** = blueness from deficiency of oxygen in the circulating blood (cold weather)
- Erythema = redness due to dilated cutaneous vessels (anger, sunburn, embarrassment)
- Jaundice = yellowing of skin and sclera due to excess of bilirubin in blood (liver disease)





Hair Color and Texture, Gray and White

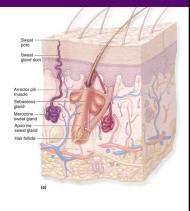


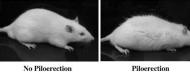
White hair = air in medulla and lack of pigment in **CO** cortex. Gray hair is a mixture of white and prominented hairs.

Arrector pili (that which raises, hair) = contraction of these muscles cause hair to "stand on end"...

goosebumps 😳

- a. Composed of smooth muscle
- b. Evolutionary advantage in mammals – traps air (heat) for insulation, also look larger - intimidation





Piloerection