

Integumentary System

Parts

Skin

Made of

Keratin

Layers

Epidermis

5 Layers

Top - Stratum Corneum

Bottom - Stratum Basale

Dermis = Cutis = Corium = True Skin = Cutaneous Layer

Hypodermis = Superficial Fascia = Subcutaneous Layer

Properties

Elasticity

marks physiological age

Glands

Hair

Made of

Keratin

Characterisitcs

Shape of hair determines hair type

Circular = Straight

Egg shape hair = Wavy

Triangle shape hair = Kinky

Color

Amount of pigment

Color additive

Blond = Sulfur (thinnest hair)

Red = Iron (thickest hair)

Nails

Made of

Keratin

Purpose

Barrier against invasion

Regulation

Temperature

dilation of blood vessels to disipate heat

Sweat for reducing temprature

Toxicity

Sweat removes toxins

Fluid Balance / Electrolytes

Sebaceous gland excretes oil to prevent liquid loss

Sensation

Cells

Melanocyte

Melanin - Pigment