

DETAILED SKIN ANATOMY

Integumentary System Reference Chart

EPIDERMIS DERMIS HYPODERMIS (SUBCUTANEOUS)

Hair Shaft

Pore

Stratum Corneum

Sebaceous (Oil) Gland

Arrector Pili Muscle

Hair Follicle

Sweat Gland

Blood Vessels (Artery/Vein)

Nerve Ending

Adipose (Fat) Tissue

Primary Layers

Epidermis: The waterproof outer layer providing barrier protection.

Dermis: Contains connective tissue, hair follicles, and sweat glands.

Hypodermis: Made of fat and connective tissue for insulation.

Key Functions

• Thermoregulation via sweat and blood flow.

• Protection against UV and pathogens.

• Sensation (Touch, Heat, Cold, Pain).

• Vitamin D synthesis.

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