

# INTEGUMENTARY SYSTEM LAYERS

*[ Anatomical Cross-Section Diagram Area ]*

LAYER	SUB-LAYERS / COMPONENTS	PRIMARY FUNCTION
<b>Epidermis</b>	Stratum corneum, lucidum, granulosum, spinosum, basale.	Waterproofing, protection from pathogens, and skin tone (melanin).
<b>Dermis</b>	Papillary layer, reticular layer, collagen, elastin.	Contains sweat glands, hair follicles, and nerve endings. Provides elasticity.
<b>Hypodermis</b>	Adipose tissue (fat), connective tissue, large blood vessels.	Fat storage, insulation, and cushioning for internal organs.

## OBSERVATION NOTES

Reference Chart: Anatomy & Physiology Study Material