

ANATOMY CHART: HAIR FOLLICLE & SEBACEOUS GLAND

[ILLUSTRATION AREA: ANATOMICAL CROSS-SECTION]

Component	Function & Description
Hair Shaft	The visible part of the hair that extends above the skin surface; composed of dead, keratinized cells.
Sebaceous Gland	Exocrine gland that secretes sebum (oil) into the hair follicle to lubricate and waterproof skin and hair.
Arrector Pili Muscle	Small smooth muscle fiber that pulls the hair upright ("goosebumps") in response to cold or fear.
Hair Bulb	The rounded lower part of the hair follicle; contains the germinative layer where new hair cells are produced.
Dermal Papilla	Connective tissue containing blood capillaries that supply nutrients to the growing hair.
Outer Root Sheath	An extension of the epidermis that encloses the hair root.

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