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Structure of Skin

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| **Across**  **3.** Deeper layer of the dermis that supplies the skin with oxygen and nutrients  **6.** A specialist in the cleansing, beautification, and preservation of the health of skin on the entire body, including the face and neck.  **9.** The top of the papillary layer where it joins the epidermis.  **11.** Physician who specializes in diseases and disorders of the skin, hair, and nails.  **13.** More commonly called the basal cell layer; deepest, live layer of the epidermis that produces new epidermal skin cells and is responsible for growth.  **14.** Also known as horny layer; outer layer of the epidermis  **15.** Thickening of the skin caused by continued, repeated pressure on any part of the skin, especially the hands and feet.  **16.** The complex of lipids between the cells that keep the skin moist by preventing water evaporation, and to guard against irritants penetrating the skin surface.  **17.** Outer layer of the dermis, directly beneath the epidermis  **18.** Also known as adipose or subcutis tissue; fatty issue found below the dermis that gives smoothness and contour to the body, contains fat for use as energy, and also acts as a protective cushion for the outer skin.  **19.** Small, involuntary muscles in the base of th hair follicle that cause goose flesh, sometimes called goose bumps, and papillae. | **Down**  **1.** Singular: dermal papilla. Small, cone-shaped elevations at the base of the hair follicles that fit into the hair bulb.  **2.** Study of skin  **4.** Small epidermal structures with nerve endings that are sensitive to touch and pressure.  **5.** Outermost and thinnest layer of the skin; it is made up of five layers: stratum corneum, stratum lucidum, stratum granulosum, stratum spinosum, and stratum germinativum.  **7.** Also known as derma, corium, cutis, or true skin; underlying or inner layer of skin.  **8.** Also known as granular layer; layer of the epidermis composed of cells that look like granules and are filled with keratin; replaces cells shed from the stratum corneum.  **10.** Fibrous protein of cells that is also the principal component of hair and nails.  **12.** The spiny layer just above the stratum germinativum layer. |