

Integumentary System Study Questions KEY

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- List three functions of skin.
 - protection**
 - temperature regulation**
 - vitamin D synthesis**
- How does vitamin D help keep us healthy?
needed for proper absorption of calcium and phosphorus from the gastrointestinal tract
- State a function of the arrector pili muscle.
makes hair stand on end, squeezes exocrine ducts
- Keratin is a form of **protein**.
- Which portion of the epidermis has actively reproducing cells?
basal (deepest) layer next to dermis
- Are keratin levels higher in superficial or deep epidermis?
superficial
- Blood vessels and nerves are present in which layer of skin?
dermis
- In what layer of skin can you find melanocytes?
basal (deepest) layer of the epidermis
- What is acne?
active infection of a sebaceous gland
- Name the two types of cutaneous glands and describe what they secrete.
sebaceous gland secretes oil
sweat (sudoriferous) gland secretes water and salt (sweat)
- Which part of the hair follicle has blood vessels and nerves?
hair root
- What do the nails you clip, the hair you cut and the skin you rub off have in common?
 - dead tissue**
 - highly keratinized**
 - original growth begins at basal layer of epidermis**