1. List three functions of skin.

2. How does vitamin D help keep us healthy?


4. Keratin is a form of _______________.

5. Which portion of the epidermis has actively reproducing cells?

6. Are keratin levels higher in superficial or deep epidermis?

7. Blood vessels and nerves are present in which layer of skin?

8. In what layer of skin can you find melanocytes?

9. What is acne?

10. Name the two types of cutaneous glands and describe what they secrete.

11. Which part of the hair follicle has blood vessels and nerves?

12. What do the nails you clip, the hair you cut and the skin you rub off have in common?
1. List three functions of skin.
   a. protection
   b. temperature regulation
   c. vitamin D synthesis

2. How does vitamin D help keep us healthy?
   needed for proper absorption of calcium and phosphorus from the gastrointestinal tract

   makes hair stand on end, squeezes exocrine ducts

4. Keratin is a form of protein.

5. Which portion of the epidermis has actively reproducing cells?
   basal (deepest) layer next to dermis

6. Are keratin levels higher in superficial or deep epidermis?
   superficial

7. Blood vessels and nerves are present in which layer of skin?
   dermis

8. In what layer of skin can you find melanocytes?
   basal (deepest) layer of the epidermis

9. What is acne?
   active infection of a sebaceous gland

10. Name the two types of cutaneous glands and describe what they secrete.
    sebaceous gland secretes oil
    sweat (sudoriferous) gland secretes water and salt (sweat)

11. Which part of the hair follicle has blood vessels and nerves?
    hair root

12. What do the nails you clip, the hair you cut and the skin you rub off have in common?
    a. dead tissue
    b. highly keratinized
    c. original growth begins at basal layer of epidermis