

Integumentary System

What makes up the integumentary system and what does it do?

- **Integumentary System**

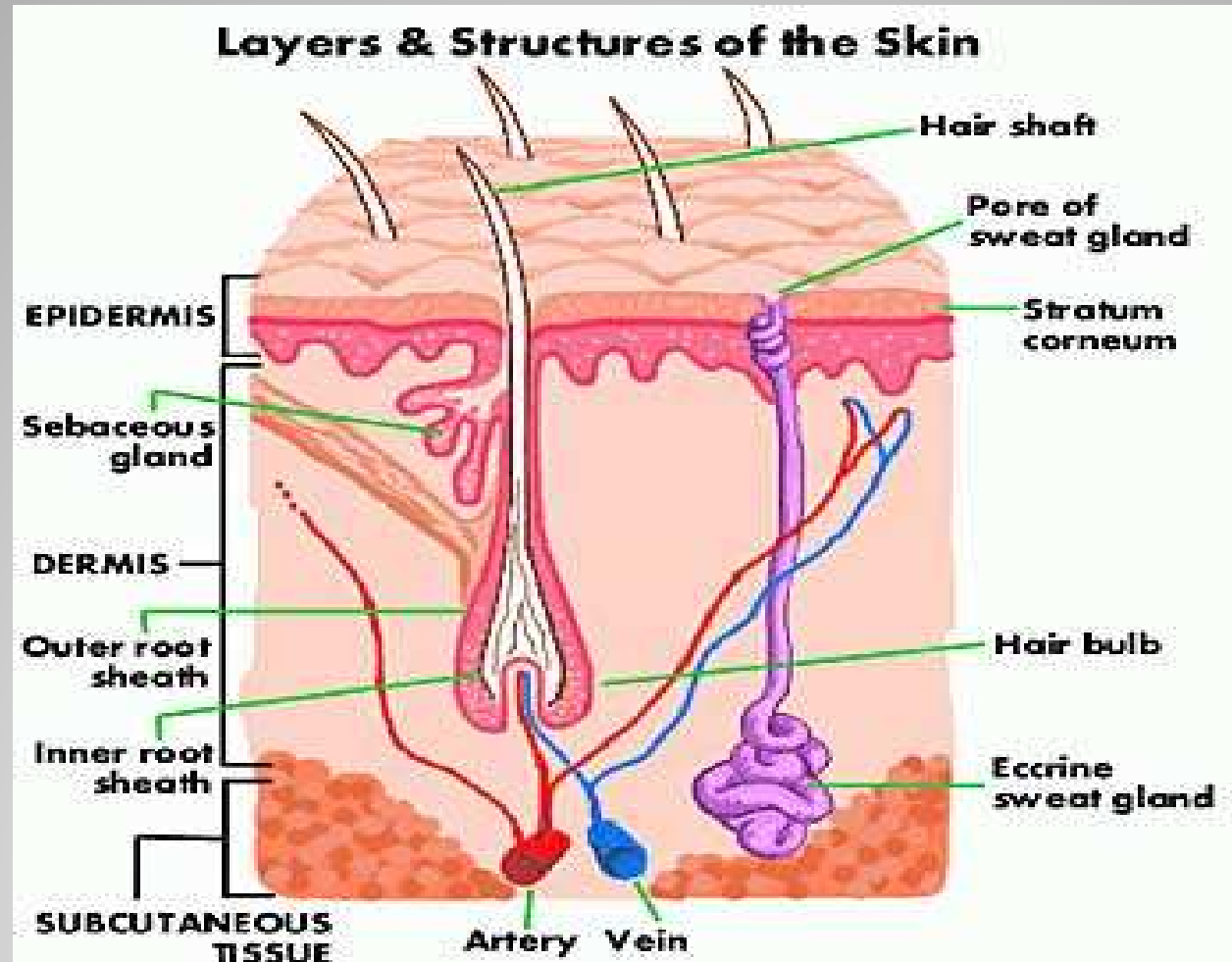
- Covers and protects body
- Made up of skin, hair, and nails

- **Skin**

- Largest organ in body
- Has nerve cells that help detect pain, pressure, heat, cold, and touch
- Protective layer from germs
- Maintain a healthy body temp.
- Removes waste from body

- **Two Layers of Skin**
 - **Epidermis** – outer layer which is constantly shed and replaced
 - **Dermis** – layer below epidermis that contains hair follicles, glands, blood vessels and nerves

- Picture of your Skin!!!



- **Melanin**

- Protects you from ultraviolet radiation
- Pigment that gives skin its color

- **Glands**

- **Sweat glands** – rids the body of salt and helps cool the body by releasing sweat through pores

- **Nails**

- Composed of dead cells and keratin, a tough protein

- **Hair**

- Dead cells filled with keratin
- Protects skin and helps maintain body temp
 - Goosebumps
 - Prevents loss of heat through head
- Each hair grows in a hair follicle

- **Hair follicle** – a depression on the surface of the skin that contains nutrients needed for hair to grow

- **LEFT SIDE ACTIVITY**
 - Draw your skin and label all of the layers.