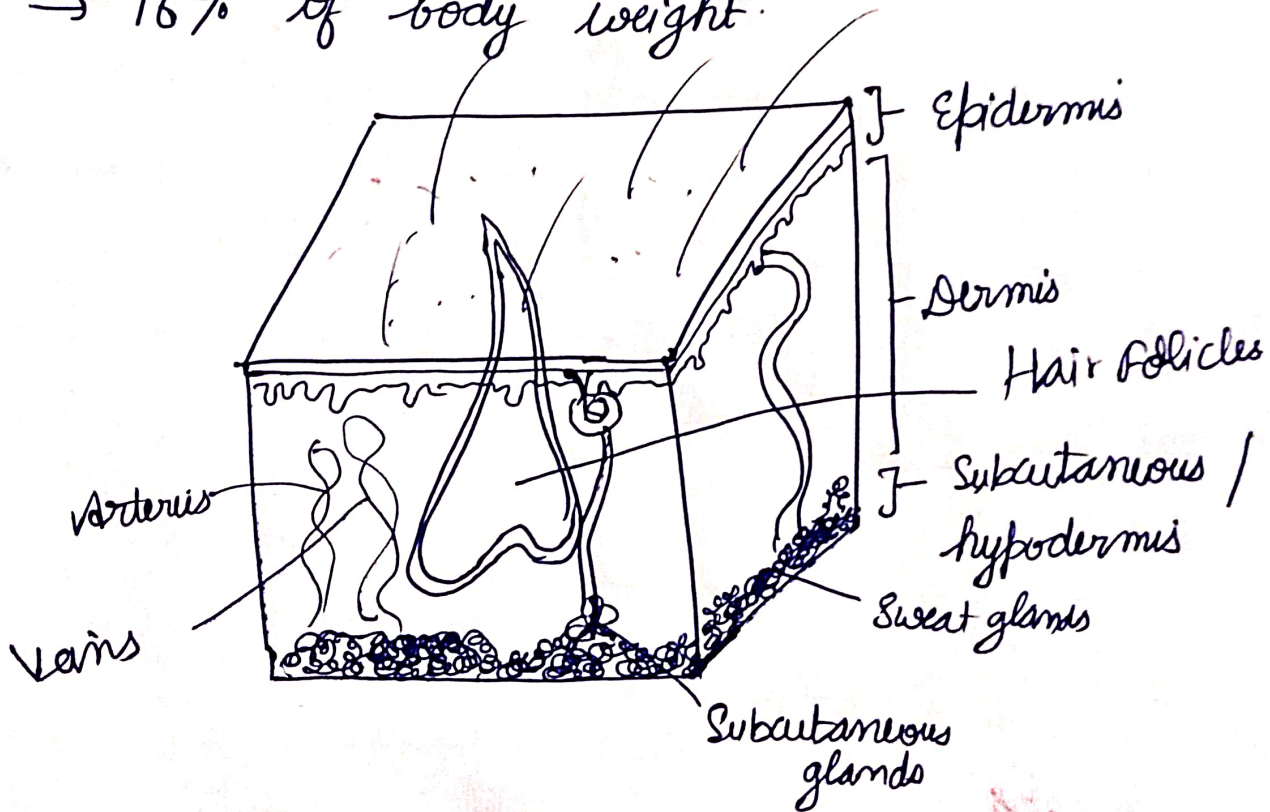


SKIN

Skin is the largest organ of the body, completely covered the body.

- contain areas, glands, hair etc.
- 16% of body weight.

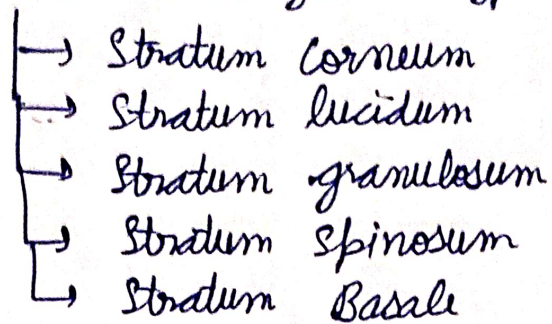


* Layers of Skin

↓
Epidermis Dermis hypodermis

- Epidermis - Superficial and visible layer of skin
 - composed of keratinised cells
 - Thickness varies in different functions

- No Blood Vessel is present in it.
- Epidermis has also Sublayers or Types



- Dermis - Tough & Elastic layer
- contain blood and lymph vessels, nerves, hair follicles and sweat glands.
 - Made up of connective tissue
 - Dermis layer Types
 - Papillary
 - Reticular

- Hypodermis - Known as Subcutaneous layer of Superficial fascia.
- It connects skin to underlin bones and muscles
 - Store fat.

Functions of Skin

- ★ Protection :- Skin act as protective Barrier.
- It forms water proof layer and prevent dehydration also.
 - It also protects from harmful chemicals and radiation (UV Rays)

★ Defenseis :- It also defends against microbes and other pathogens .

→ Epidermis contain Langerhans cells act as macrophage (eat foreign or harmful particles)

★ Sensation :- Sensory nerves endings in dermis help in sensation feelings.

→ like cold, warmth etc.

★ Thermoregulation :- It help to maintain constant temperature of skin (37°C).

→ -ve feedback system regulates the balance between heat produced in body.