

INTEGUMENTARY SYSTEM

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WHAT IS IT?

The integumentary system consists of the skin, hair, nails, and glands. Its main function is to act as a barrier to protect the body from the outside world.

WHAT IT DOES?

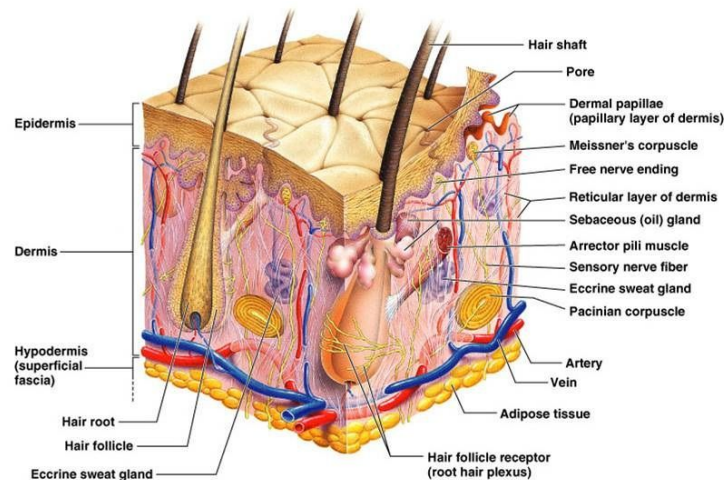
- ❖ Protects the body's internal living organs and tissues
- ❖ Protects against invasion by infectious organisms
- ❖ Protects the body from dehydration
- ❖ Protects the body against abrupt changes in temperature
- ❖ Helps dispose of waste materials
- ❖ Acts as a receptor for touch, pressure, pain, heat, and cold
- ❖ Stores water and fat

GLANDS

- ❖ secrete oil
- ❖ can be a passageway for some medications (patches)

SKIN

- The skin is the first defense of the immune system.
- some substances enter the body through glands in the skin
- largest organ of the body
- consists of two distinct layers: epidermis & dermis



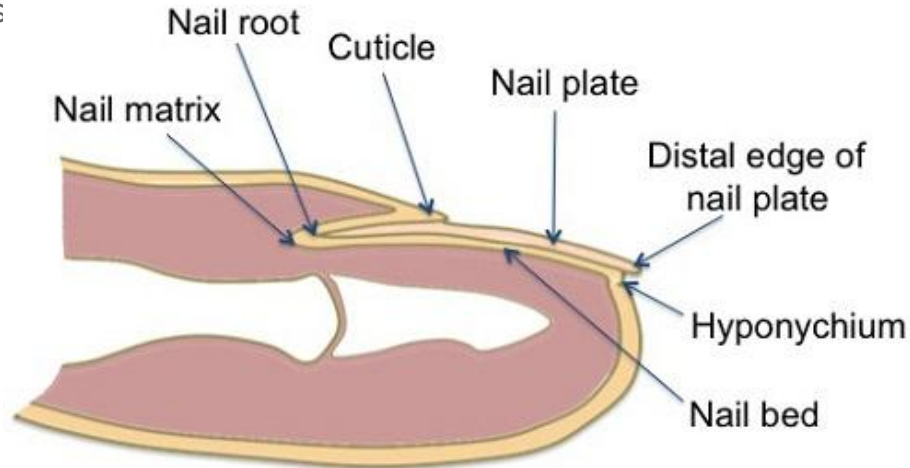
HAIR

- hair is present on nearly all body surfaces except the palms, soles, lips, nipples, and various parts of the external reproductive organs



NAILS

- Nails protect the tissues that they cover from injury.
- They are composed of keratin, nail matrix, nail plates, and nail beds.
 - fingernails usually grow faster than toenails
 - fingernails



WHAT CAN HAPPEN?

- skin cancer
- premature balding
- ingrown nails
- Ingrown hairs
- Acne
- swollen glands

