

TOPIC: INTRODUCTION TO THE INTEGUMENTARY SYSTEM

- **Integumentary System:** organ system made of the _____, hair, nails, glands, & sensory receptors.

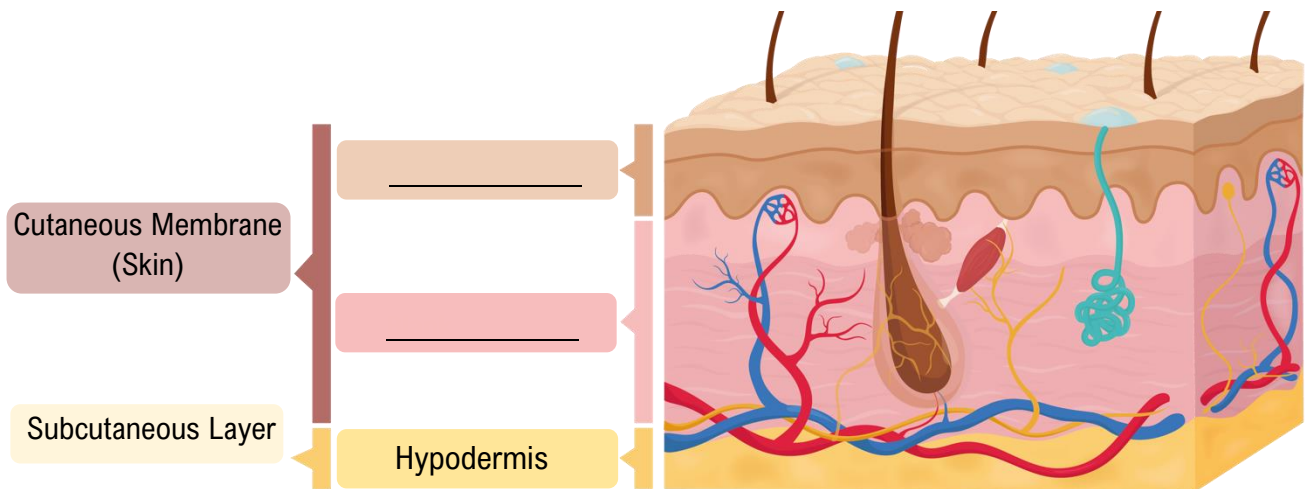
- Composed of _____ parts:

1. **Epidermis:** _____ layer of skin; made of epithelial tissue (“Epi” = above).
2. **Dermis:** layer of connective tissue _____ epidermis & makes up most of skin.
3. **Accessory Structures:** includes _____, nails, & sweat/sebaceous glands.

- Beneath cutaneous membrane (skin) lies the _____.

Cutaneous Membrane (Skin)

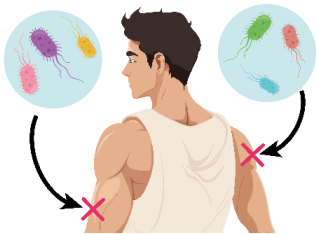
Subcutaneous Layer



Integumentary System Functions

- Integumentary system has _____ functions including the following broad functions:

1. Provides



Mechanical Stresses.

Barrier to chemicals,
UV light & microbes.

2. Maintains



Regulate body temperature.

Vitamin D synthesis.

Excretions via sweating.

3. Allows for



Contains nervous tissue.

4. Expressive

Communication & Emotions



Skeletal muscles allow for
facial expressions.

PRACTICE: What does the cutaneous membrane (skin) consist of?

- a) Epidermis and accessory structures.
- b) Dermis and accessory structures.
- c) Epidermis and dermis.
- d) Epidermis, dermis, and hypodermis.

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Map of the Lesson on Integumentary System

- Here is a _____ you can continuously use to help guide you through our lessons on the integumentary system.

