

Our Integumentary System

1) The skin is the body's _____ organ.

2) The skin's functions include:

_____ a protective covering

_____ the body

_____ fluid loss

_____ the entrance of pathogens

_____ a sense of touch

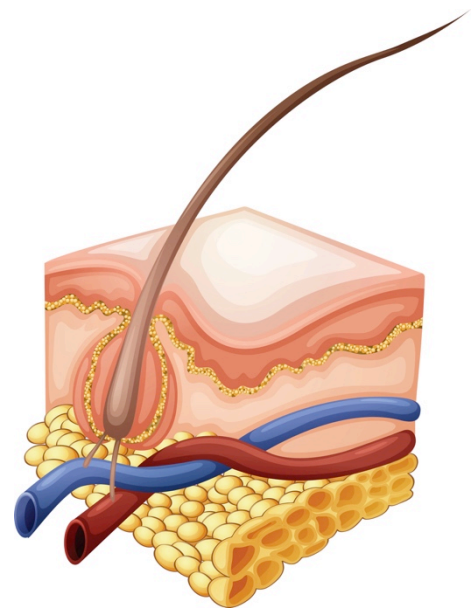
_____ manufacture Vitamin D

3) The skin is made up of _____ layers:

First Layer: _____

Second Layer: _____

Third Layer: _____



4) Epidermis:

Takes _____ weeks to a month for the skin to rise to the top.

_____ % of the cells of the epidermis makes new skin cells.

_____ % of the cells of the epidermis make melanin

People with darker skin have _____ melanin.

5) Dermis:

Located _____ the epidermis.

Contains _____, _____,
_____, _____, and _____.

Sebaceous glands produce _____.

Sweat is excreted through _____.

6) Hypodermis:

Located _____ the dermis.

Made mostly of _____.

Holds the skin to the underneath _____.

_____ follicles start growing in this layer.

7) When you are cold, blood vessels _____ to keep your body heat in,

8) _____: Goosebumps

9) Pimples are the result of _____ pores.

Our Integumentary System

1) The skin is the body's **largest** organ.

2) The skin's functions include:

Forming a protective covering

Waterproofing the body

Preventing fluid loss

Blocking the entrance of pathogens

Allowing a sense of touch

Helping manufacture Vitamin D

3) The skin is made up of **three** layers:

First Layer: **Epidermis**

Second Layer: **Dermis**

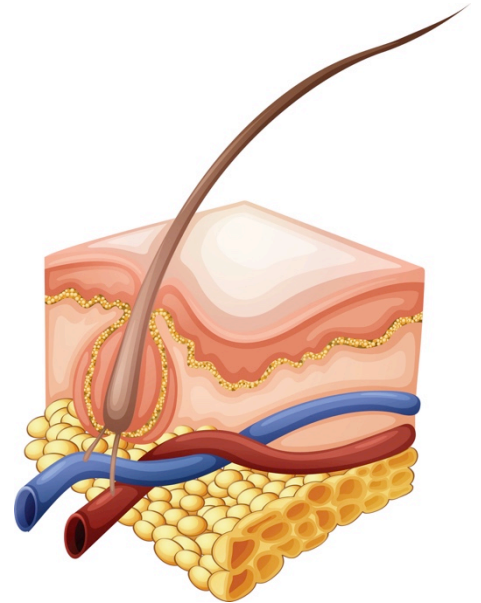
Third Layer: **Hypodermis**

4) Epidermis:

Visible

Takes **2** weeks to a month for the skin to rise to the top.

95 % of the cells of the epidermis make new skin cells.



5 % of the cells of the epidermis make melanin

People with darker skin have **more** melanin.

5) Dermis:

Located **under** the epidermis.

Contains **nerve endings, blood vessels, oil glands, sweat glands, collagen,** and **elastin.**

Sebaceous glands produce **sebum.**

Sweat is excreted through **pores.**

6) Hypodermis:

Located **under** the dermis.

Made mostly of **fat.**

Holds the skin to the underneath **tissues.**

Hair follicles start growing in this layer.

7) When you are cold, blood vessels **narrow** to keep your body heat in,

8) **Pilomotor Reflex:** Goosebumps

9) Pimples are the result of **clogged** pores.