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.
% 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.