

Name \_\_\_\_\_

Date \_\_\_\_\_

# Skin

**Directions:** The diagram shows a cross-section of the skin. Use it to answer the questions.

**nerves** carry messages to the brain

**dermis** contains sweat glands, hair follicles, oil glands, blood vessels, and nerves

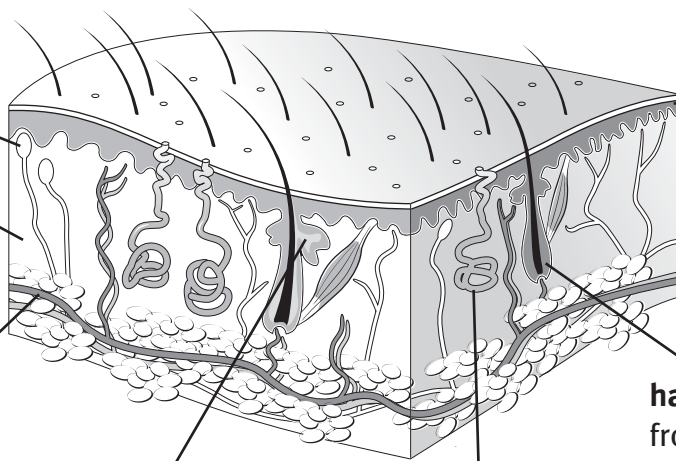
**blood vessels** carry oxygen to skin cells and carry away carbon dioxide

**oil gland** helps protect skin

**sweat gland** releases sweat

**epidermis** makes new skin cells, sheds old skin cells

**hair follicle** place from which a hair grows



1. Which layer of skin sheds old skin cells?  
\_\_\_\_\_
2. What structures are found in the dermis?  
\_\_\_\_\_
3. What is the function of the blood vessels in the skin?  
\_\_\_\_\_  
\_\_\_\_\_
4. What is a hair follicle? Compare the number of hair follicles on your head to the number on the back of your arms. Which area has more follicles? How do you know?  
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