



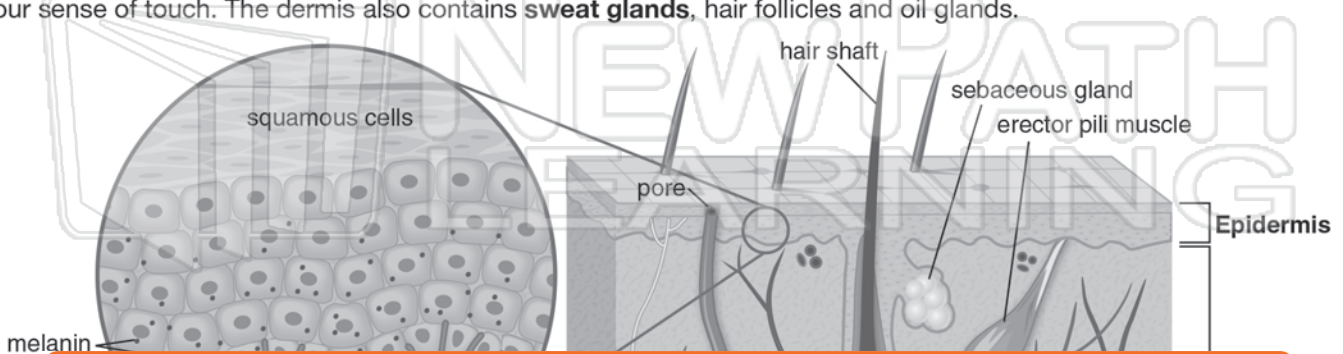
Name _____ Class _____ Date _____

Skin Structure

Skin is made up of an **outer layer** of tightly packed cells called the **epidermis** and an **inner layer** of connective tissue with nerves and blood vessels called the **dermis**.

The **epidermis** has many layers of cells that are constantly being replaced. Within the epidermis, pigmented cells known as **melanocytes** release varied amounts of **melanin**. Skin **pores** on the surface of the epidermis are openings to sweat glands.

The **dermis** is the underlying layer of the skin that provides the **blood supply** and contains the **nerves** that give us our sense of touch. The dermis also contains **sweat glands**, hair follicles and oil glands.



The of fu

PREVIEW

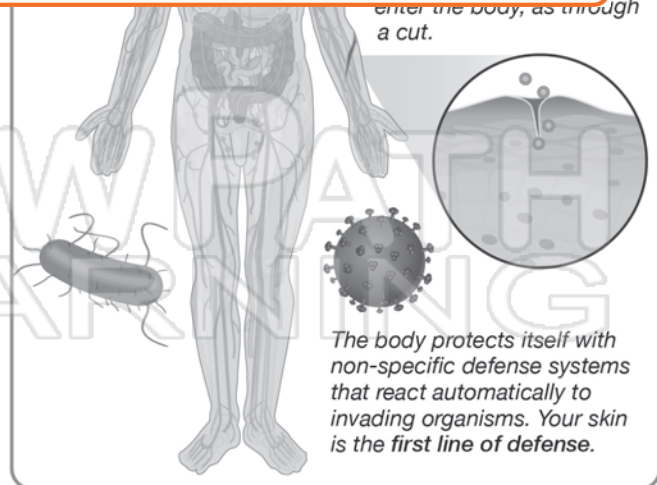
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- **vitamin D synthesis**
- **lubrication**
- **waterproofing**

Skin provides a watertight **physical barrier** that protects us from injury, infection and dehydration.

In the presence of ultraviolet light, skin cells produce **vitamin D**, which helps in calcium absorption and maintaining strong bones.

The skin is rich in **blood vessels** that constrict to **conserve heat** when the temperature is cold; and enlarge and increase blood flow to release body heat when the temperature is hot. **Sweat glands** within the skin release secretions, called **perspiration** or **sweat**, which quickly evaporates to create a **cooling effect**.





Name _____ Class _____ Date _____

Skin Structure



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

