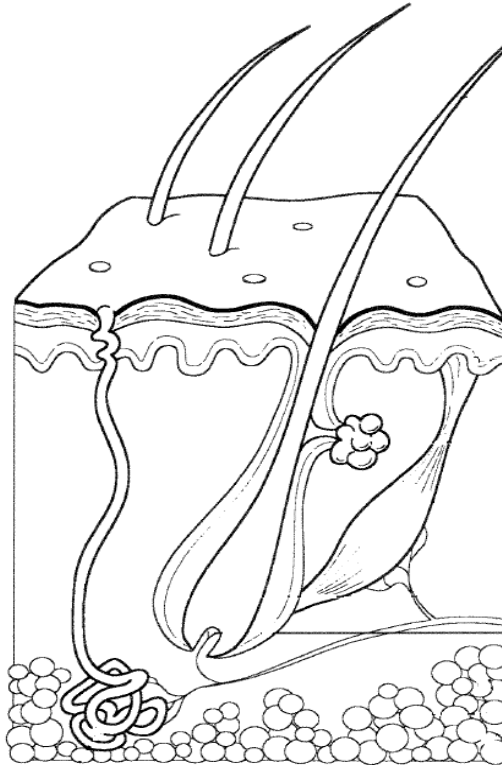


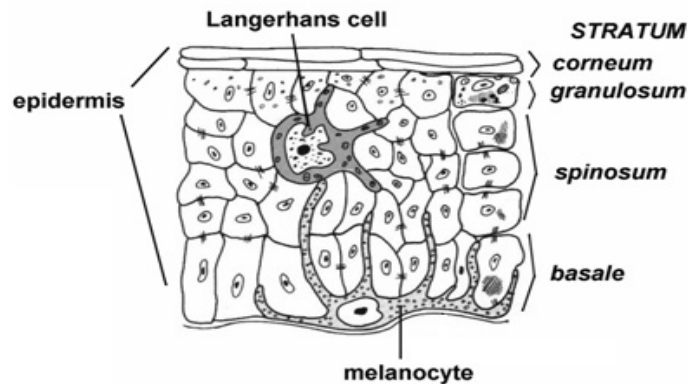
Section 5.1 Regular Anatomy

Using different colors and the list below, color and label the different parts of the skin.



- | | | |
|-------------------------------------|----------------------------------|---------------------------------------|
| <input type="radio"/> Adipose cells | <input type="radio"/> Epidermis | <input type="radio"/> Stratum basale |
| <input type="radio"/> Dermis | <input type="radio"/> Hypodermis | <input type="radio"/> Stratum corneum |

Using different colors and the list below, color the different parts of the epidermis.



- | | |
|-----------------|-----------------|
| Langerhans cell | Stratum basale |
| Melanocyte | Stratum corneum |

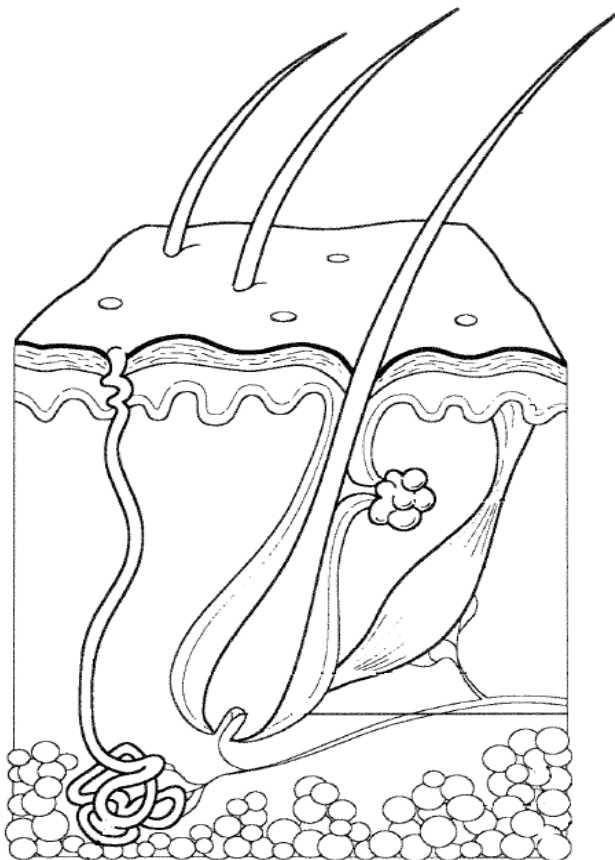
1. The pigment produced by melanocytes that gives skin its color is called _____.
2. Macrophages located in the epidermis that phagocytize microbes are called _____.
3. The uppermost layer of the epidermis is called the _____.
4. The deepest layer of the epidermis that is superior to the dermis is called the _____.

Complete the paragraph about keratinization in the epidermis.

Cells in the stratum 1 constantly undergo 2, or cell division. As the cells divide, they are pushed to the surface towards the stratum 3. As cells are pushed to the uppermost layer of the epidermis, 4 produce 5, a tough fibrous protein, that begins to fill the inside of the cell. Because these cells are moving away from their blood supply and they are being filled with keratin, they 6. 7 is the process in which cells fill with keratin, become hard and die. This process is what gives skin its tough armor-like quality.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Using different colors and the list below, color and label the different parts of the dermis.



☐ Dermis

☐ Dermal papilla

1. Using pgs. 164-165, draw, color and label a Meissner corpuscle, Pacinian corpuscle, and free nerve endings.
2. Draw and label an artery, vein, and capillaries. Color the artery red, the vein blue, and the capillaries purple
3. The dermis is composed of _____ connective tissue.
4. What in the dermis creates the image below?



5. _____ fibers in the dermis are flexible and offer great resistance to overstretching and prevent the skin from being torn.
6. _____ fibers in the dermis stretch and recoil back to shape.