Appendages of the Skin

Homework

Using the key choices, complete the following statements. Insert the appropriate letter(s) or term(s) in the answer blanks.

*There may be more than one right answer for some questions.*

**Key Choices**

A. Arrector pili  C. Hair  E. Sebaceous glands  G. Sweat gland (eccrine)

B. Cutaneous Receptors

1. A blackhead is an accumulation of oily material produced by _____________.

2. Tiny muscles attached to hair follicles that pull the hair upright during fright or cold are called _____________.

3. The most numerous variety of perspiration gland is the _____________.

4. A sheath formed of both epithelial and connective tissues is the _____________.

5. A less numerous variety of perspiration gland is the _____________. Its secretion (often milky in appearance) contains proteins and other substances that favor bacterial growth.

6. ____________ is found everywhere on the body except the palms of the hands, soles of the feet, and lips, and it primarily consists of dead keratinized cells.

**B. Cutaneous Receptors.**

(7) are specialized nerve endings that respond to temperature and touch, for example.

8. ____________ become more active at puberty.

9. Part of the heat-liberating apparatus of the body is the _____________.

10. Secretin contains bacteria-killing substances.

How does the skin help to regulate body temperature? (Describe two different mechanisms.)

Look on back →
Appendages of the Skin

12. Using the key choices, respond to the following descriptions. (Some choices may be used more than once.)

Key: 
- arrector pili
- cutaneous receptors
- hair
- nail
- sebaceous glands
- hair follicle
- sweat gland—apocrine
- sweat gland—eccrine

1. Acne is an infection of a(n) ____________.
2. Structure that houses a hair.
3. More numerous variety of perspiration gland that produces a secretion containing water, salts, and vitamin C; activated by rise in temperature.
4. Sheath formed of both epithelial and connective tissues.
5. Type of perspiration-producing gland that produces a secretion containing proteins and fats in addition to water and salts.
6. Found everywhere on body except palms of hands and soles of feet.
7. Primarily dead/keratinized cells.
8. Specialized structures that respond to environmental stimuli.
9. Its secretion contains cell fragments.