


Section 36–3 The Integumentary System (pages 933–936)

 **TEKS FOCUS:** 5A Specialization of structure and function of epithelia; 10A Functions of the integumentary system; 11A Internal feedback mechanisms and homeostasis

This section describes the integumentary system and its functions.

Introduction (page 933)

- Circle the letter of each choice that is part of the integumentary system.
 - skin
 - bones
 - cartilage
 - nails

The Skin (pages 933–936)

- The most important function of the skin is _____.
- List the four functions of the integumentary system.
 - _____
 - _____
 - _____
 - _____
- The largest component of the integumentary system is the _____.
- The outer layer of skin is called the _____.
- Is the following sentence true or false? The inner layer of the epidermis is made up of dead cells. _____

Match each term with its definition.

Term	Definition
_____ 7. keratin	a. Tough, fibrous protein
_____ 8. melanin	b. Inner layer of the skin
_____ 9. dermis	c. Dark brown pigment

- Circle the letter of each sentence that is true about melanocytes.
 - Melanocytes are cells that produce melanin.
 - Most people have roughly the same number of melanocytes in their skin.
 - All melanocytes produce about the same amount of melanin.
 - Most people have the same distribution of melanocytes in their skin.
- Is the following sentence true or false? The epidermis contains blood vessels.

- Circle the letter of each type of structure that is found in the dermis.
 - blood vessels
 - nerve endings
 - glands
 - hair follicles

13. How does the dermis help regulate body temperature? _____

14. List the two types of glands contained in the dermis.
a. _____
b. _____

15. How does sweat help keep you cool? _____

16. What is the function of sebum? _____

Hair and Nails (page 936)

17. The basic structure of human hair and nails is _____.

18. List the two functions of head hair.
a. _____
b. _____

19. How does hair in the nose and ears and around the eyes help protect the body?

20. Hair is produced by cells called _____.

21. Is the following sentence true or false? Hair is composed of cells that have died.

22. What causes hair to grow? _____

23. What is the nail root? _____

