

### Unit 3 Guide – The Integumentary System

Reading Assignment:

Chapter 5 – The Integumentary System (pages 151-174)

Vocabulary:

*Please define the following terms and use them to study for the Unit Quiz. Be prepared to turn in a list of your definitions the day of the quiz. You may use flashcards, list form, Quizlet, or whatever is most practical and useful for you.*

Epidermis  
Melanin  
Arrector pili  
Nail  
Dermis  
Carotene  
Vellus hair  
Basal cell carcinoma

Hypodermis  
Hemoglobin  
Terminal hair  
Squamous cell carcinoma  
Keratin  
Pili  
Alopecia  
Melanoma

Study Questions:

*Answer the following questions throughout the unit. Be ready to turn in your work the day of the quiz. Use in class notes, the textbook, and other resources to guide you in writing your **own** original response to the question. Think critically!*

1. Name the tissue types found in the epidermis and dermis.
2. List the major layers of the epidermis and dermis.
3. Describe the three pigments that contribute to human skin color.
4. Compare sweat and oil glands (location, function, secretions).
5. List the parts of a hair follicle.
6. Explain how the arrector pili muscles are related to the hair follicle.
7. Describe the structure of your nails.
8. Describe how the skin accomplishes at least five functions.
9. Compare the three types of skin cancer.
10. Differentiate between first, second and third-degree burns.