

The Integument System  
Study Guide Chapter Five  
Tortora & Derrickson

1. The integument system is commonly called skin. What is the function of skin?
2. What are the two layers of skin?
3. What is located just beneath our skin? What is its function?
4. What is the thickness of skin? Does skin thickness vary? Give examples and locations.
5. The epidermis is defined as keratinized stratified squamous epithelium. What is the structure and function of these objects: stem cells / keratinocytes / melanocytes / tactile cells / dendritic cells (intraepidermal macrophage cells)
6. Explain the significance of each of the five epidermal stratum (i.e. layers): stratum basale / stratum spinosum / stratum granulosum / stratum lucidum / stratum corneum
7. What stratum is only found in thick skin?
8. What is dander?
9. What is dandruff?
10. What structures are located in the dermis?
11. What type of coat is made from the dermis? Why can we compare chronic alcoholism to a leather coat?
12. What prevents the surfaces of the epidermis from sliding laterally across the dermal surface?
13. What are friction ridges? How are they used to solve a crime?
14. What are “stretch marks”? Why do they form? What type of extracellular fiber?
15. Why do we administer injections into the subcutaneous tissue (hypodermis)?
16. Describe the function of the following items: piloerector muscle, hair bulb, dermal papilla, sebaceous gland, sudoriferous gland.
17. What gland types are located in skin?
18. What is the difference between merocrine and holocrine glands?
19. What are apocrine glands? Where are they located? Significance?
20. When do apocrine glands become “active”?
21. What is secreted from a sebaceous gland?
22. Where are the secretions from a sebaceous gland deposited? How are these secretions move onto the surface of the skin?
23. Where are ceruminous glands found?
24. What is cerumen? What is the common term for cerumen?
25. What are the three forms of skin cancer?
26. What skin cancer is the most common and least deadly?
27. Which skin cancer is the most deadly?
28. How are burns classified?
29. What degree burn is a sun burn? How deep is the tissue damage?
30. What is another term used to describe a second degree burn? How deep is the tissue damage?
31. Why are third degree burns call “full-thickness burns”?