

Chapter 6 Skin and the Integumentary System

Test Review

1. Read and fully understand ALL notes and diagrams in class PowerPoint.
2. List the six functions of the skin.
3. Label the layers of the skin and know the structures that can be found in each layer.
4. Know how skin structures are arranged and use anatomical terms to explain their positioning: deep, superficial, etc...
5. What is the cell cycle? mitosis? Where does mitosis occur in the skin? Explain.
6. What type of tissue is found in the hypodermis?
7. List the layers of the epidermis: see page 114 Figure 6.2. Know the primary functions of the following: stratum basale, stratum lucidum.
8. What epidermis layer forms a thickened area called a callus?
9. What is melanoma? How does it form? What can prevent melanoma? What are the symptoms of melanoma?
10. What type of cell produces melanin? Where are these cells located in the skin? What functions do these cells serve in the human body?
11. What gland causes acne?
12. Give an example of a serous membrane? What is the function of this membrane? Where can it be located?
13. Draw the types of exocrine glands. Where is each type exocrine gland found in the human body? Describe how each gland secretes their products. Page 98 Fig 5.9.
14. What are the signs of hypothermia? How does the body prevent this?
15. Differentiate between a 1st, 2nd, and 3rd degree burn. What are the dangers of a 3rd degree burn? Explain.
16. Explain how the following two terms are different from one another: simple and stratified.
17. Give an example of a mucous membrane.
18. List the layers of skin from thickest to thinnest (i.e. epidermis, dermis, and subcutaneous).
19. Give an example of a serous membrane?
20. Define exocrine and endocrine glands. Give examples of each and the type of by-product they excrete.
21. Describe the healing process of a superficial and deep wound in the skin. Review key terms.
22. List the symptoms of inflammation.
23. Review your understanding of skin cancer. How does it form? What is the most common? Common characteristics?
24. Draw & label the following: nail plate, nail bed, and lunula
25. What are goblet cells? What role do they play in the body? Explain.
26. How is vitamin D formed? What is the precursor for vitamin D?
27. Read section 6.3 of "Regulation of Body Temperature" and the blue box.
28. Read the handout about body burns. Calculate the percentage % of a body burn using "the rules of nine". If a grown man was in motorcycle accident and had third degree burns of his face, anterior sides of left/right arms, anterior chest and abdomen. What percentage of his body is burned?
29. Review notes and book "Topic of Interest" on burns. Know symptoms and causes.
30. Define keratinization.
31. Name three factors that affect skin color.
32. Explain how Ca can be absorbed from the digestive tract. What is calcitriol?
33. What are the ABCD's of skin cancer? How does melanoma develop?
34. Distinguish between the healing of shallow and deeper breaks in the skin.
35. Review your histology lab. Know the location of different cell types and their functions.