

Review Guide - Integumentary System (Ch 4 and some of Ch. 3)

Highlighted questions are questions specifically for honors students. Academic students will not need to know these things for the exam.

Multiple Choice:

1. Define homeostasis. List some things the body does to try to maintain homeostasis.
2. How does the integumentary system interact with all the other systems to maintain homeostasis?
3. List the four types of tissues and describe their general function / location.
4. How does the integumentary system aide in homeostasis in the body?
5. What is Keratin and why is it important?
6. Describe the layers of the epidermis. Be able to label a diagram of it.
7. How does the cell composition of each layer of the epidermis help with its function?
8. What types of cells are found in the epidermis and what are their functions?
9. Describe the dermis. What are the layers and how are they distinguished?
10. Why do tattoos need to be injected into the dermis?
11. Compare and contrast the different cutaneous glands.
12. Explain the different kinds of burns that harm the body.
13. Discuss how hair and nails are formed and grow.
14. Identify the different components of a hair follicle and their function.
15. Be able to define and identify the following: herpes simplex, decubitus ulcers, cyanosis, whiteheads, blackheads, acne, seborrhea.
16. Thoroughly explain skin color and why we have this color. What can skin color tell us about our emotions and disease state?
17. What is race? How is race used in our society?
18. Describe and show the various infections and allergies that attack our skin.
19. Discuss the various types of cancers that attack the skin. How do you identify the possibility of skin cancer?

In the lab: *Academic students will have an extra credit opportunity if they can do the honors questions in the lab as well but will not be required to. Academic students will be given a word bank for the lab section as well. Honors students will not have a word bank.*

20. Identify the types tissues in the integumentary system from pictures or slides (stratified squamous, areolar, adipose, dense irregular connective tissue)
21. Be able to identify the major components of stratified squamous, areolar, adipose, dense irregular connective tissue on pictures or slides.
22. Know the general locations of integumentary tissue (stratified squamous, areolar, adipose, dense irregular connective tissue)
23. Define and locate the basement membrane on a picture.
24. List the functions of the integumentary system. How are these functions accomplished?
25. Be able to identify the layers of the skin (on a model – dermis, subcutaneous, and the 5 layers of the epidermis).
26. Identify the type of fingerprint shown.
27. Identify the part of the skin (appendages, etc) on an image or model or under the microscope.