

## Chapter 4 Questions

1. Describe the following tissues...(any specific tissues or tissue classes discussed)
2. What are the four classes of tissues
3. What are the five characteristics of epithelial tissue
4. What are the four functions of epithelial tissue
5. How is the physical integrity of an epithelial tissue maintained
6. What are the three types of cell junctions
7. Describe the basal lamina
8. How are epithelial tissues classified
9. What three cell shapes describe almost every epithelial cell in the body?
10. Contrast endocrine and exocrine glands
11. List and describe the three modes of secretion by glandular cells
12. What three basic components/characteristics are shared by all connective tissues
13. Describe the three types of fibers found in connective tissue proper
14. What six basic functions do connective tissue perform in the body?
15. Describe the following cell types found in connective tissue (any listed)
16. Give four major examples of dense regular connective tissue
17. What are the two fluid connective tissues
18. List and describe the two mechanisms of cartilage growth
19. What are the four kinds of membranes composed of epithelial and connective tissue that cover and protect other structures and tissues in the body?
20. Describe the (mucous, serous, synovial) membrane
21. What are the three types of muscle tissue in the body?
22. What two cell populations make up neural tissue? What is the function of each?
23. Describe the anatomy of a typical neuron
24. Why is the presence of cilia on the respiratory surfaces important?
25. Differentiate among the three major type of cartilage in the body.
26. What tissues must be replaced in a total hip replacement?
27. What are the signs and symptoms of the inflammatory response?
28. What 4 chemical signals are released during inflammation?
29. What do mast cells release upon stimulation and what are the effects of that release?
30. What occurs during regeneration?