4-1 Define tissues.

4-1 Define Histology.

4-1 List the 4 types of tissues, provide a definition, location, example, and picture for each.

4-2 List and briefly describe the characteristics of epithelial tissue.

4-2 List and briefly describe the functions of epithelial tissue.

4-3 How are epithelial tissues classified?

4-3 List all classification of epithelial tissue. For each epithelial tissue provide a location, function, and a histological picture. Figures 4-3, 4-4, and 4-5

4-3 Compare and contrast the two types of glands.

4-3 List and briefly describe the modes of secretion.

4-3 List and briefly describe the types of secretions.

4-4 What are the 3 components of every connective tissue?

4-4 List the functions of connective tissue.

4-4 Make an outline of the 3 categories of connective tissues and their associated tissues.

4-4 List, describe and provide a picture for each of the connective tissue proper cell populations. Figure 4-8

4-4 List, describe and provide a picture for each of the connective tissue fibers. Figure 4-8

4-4 What is a ground substance?

4-4 List a function, location, and provide a picture for each of the loose connective tissues. Figure 4-10

4-4 List a function, location, and provide a picture for each of the dense connective tissues. Figure 4-11

4-4 List and describe the two types of fluid connective tissues.

4-5 Compare and contrast cartilage and bone, focusing on cells, ground substance, fibers, vascularity, covering, strength, oxygen demands, and repair. Table 4-2

4-6 What does a membrane do? What does it consist of?

4-6 List the 4 types of membranes. Provide a function and location for each. Figure 4-16

4-8 What is the function of muscle tissue?

4-8 List each types of muscle tissue, and describe each ones structure, location, and function. Figure 4-18

4-9 What is the function of neural tissue?

4-9 List and describe the two types of cells found in neural tissue.

4-9 List and describe the structures of a neuron. Provide a picture. Figure 4-19

4-10 Describe the process of tissue repair involving inflammation and regeneration. Figure 4-20

4-11 Identify some age related factors that affect tissue repair and structure.

4-11 What is cancer?