Lecture Note Objectives: Tissues

Textbook: Chapter 3 Cells and Tissues

Suggested: Read the textbook to help clarify (clear up) definitions and concepts (ideas) that are used in the Introduction Lecture Notes.

For ALL topics: Use and define all terminology.

1) Topic: Introduction
   a) List the four categories that human body tissues can be organized into.
   b) List and describe the different types of attachments that hold the cells of some tissues together. Be able to provide/recognize an example for each.

2) Topic: Epithelial Tissues
   a) Describe the general characteristics and functions of epithelial tissues.
   b) Briefly explain how many epithelial tissues are named.
   c) Describe the structure and function of each epithelial tissue covered in the lecture notes. Provide/recognize examples for each.
   d) Describe what a gland does. Explain the difference between an exocrine and an endocrine gland. Provide/recognize examples for each.

3) Topic: Connective Tissues
   a) List the different types, and describe the general functions, of connective tissues.
   b) Describe the general structure and location of the matrix for many CTs.
   c) Describe the structure/composition of the matrix and cells for each type of CT that we discussed in the lecture notes. Provide/recognize examples of each type.

4) Topic: Muscular Tissues
   a) Describe the general characteristics of muscular tissue.
   b) Identify the proteins responsible for contractions.
   c) List the different types of muscle tissue. For each type, briefly describe its anatomy, function and provide/recognize example.

5) Topic: Nervous Tissue
   a) Describe the role of nervous tissue in the body. Briefly explain its role in homeostasis, irritability and communication.
   b) List/describe the functional characteristics of nervous tissue.
   c) Describe the structure of a typical neuron and the function of each of these structures.
   d) Briefly describe the different functions glial cells perform as support cells.