Chapter 4 Notes Packet #3: Muscular Tissue, Nervous Tissue

Muscle Tissue

General Muscle Tissue characteristics:

• Very cellular
• Vascular and ______________________
• Muscle cells are elongated cells called ______________ that shorten (__________) causing movement
• Three types of muscle tissue
  – ______________ muscle
  – ______________ muscle
  – ______________ muscle

Smooth Muscle

Identification:

Where located:

Cardiac Muscle

Identification:

Where located:

Skeletal Muscle

Identification:

Where located:
Nervous Tissue: forms brain, spinal cord, and nerves

- Very cellular
- Two categories of nervous tissue cells
  - Neurons
  - Neuroglia – _________________ the neurons and help them to _________________

The Neuron

- **Dendrites**: processes that _________________ signals from sensory receptors & _________________
- **Axon**: process that _________________ signals to _________________
- **Cell body**: _________________ of signal

Body Membranes

- Synovial: line _________________ cavities and produces _________________ fluid
- Epithelial (3 types):
  1. _________________ membranes
  2. _________________ membranes
  3. _________________ membranes

  Mucous membranes

  - Wet or moist
  - Line _________________ opening to the exterior of the body
  - Found lining part of _________________, digestive, respiratory, reproductive tracts

  Serous membranes

  - Moist
  - Line _________________ body cavities
  - Produce _________________ fluid
  - Made of simple _________________ over areolar connective tissue

  Cutaneous membranes

  - Dry
  - Forms the skin
  - Made of _________________ stratified squamous epithelium and a thick _________________ tissue layer