**Nervous System Unit Study Guide**

Textbook Chapter 7: The Nervous System

Learning Objectives:

1. Brain Anatomy
   1. Understand the overall organization of the nervous system. (pages 223-224, Figures 7.1 and 7.2)
   2. Be able to label the lateral anatomy of the brain. (Figure 7.13a)
   3. Be able to label the mid-sagittal anatomy of the brain. (Figure 7.15a)
   4. Know the location and function of the brain’s ventricles and cerebrospinal fluid. (pages 241-244 “Cerebrospinal Fluid” section, Figure 7.17)
2. Brain Area Functions
   1. Be able to match a brain area with a description of its function. (Handout given in class.)
3. Cranial Nerves
   1. Understand that the cranial nerves are peripheral nerves that leave the brain and brainstem to innervate structures of the head and neck. (Figure 7.21)
   2. There are 12 pairs of cranial nerves (I-XII).
   3. Cranial nerves can transmit sensory information, motor commands, or both.
   4. Be able to match a cranial nerve with a description of its function. (Handout given in class, Table 7.1 on pages 250-251.)
4. Neuron (A nerve cell)
   1. Be able to label the parts of a neuron. (Figure 7.4)