**Nervous System Part 2**

**Structure of a Nerve**

* Nerve
* Connective Tissue Coverings
  + Endoneurium, Perineurium, Fascicles, and Epineurium
* Mixed Nerves
* Reflex Arc
  + 2 Neuron vs. 3 Neuron
  + Somatic vs. Autonomic
* **Irritability – Steps to Generating an Action Potential/ Impulse**
* **Conductivity – Steps to Transmitting a Signal**

**Spinal Cord**

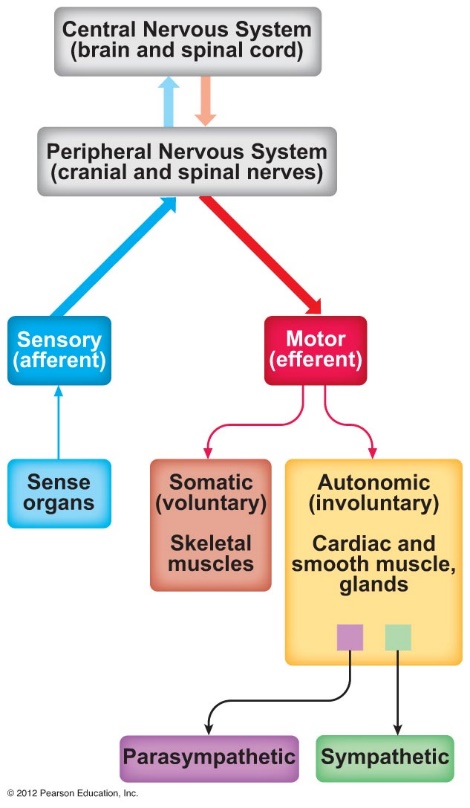
* Extent (Foramen Magnum to 1st or 2nd Lumbar)
* 31 pairs
* Cauda Equina
* Anatomy
  + Internal Grey Matter / External White Matter / Central Canal
  + Dorsal Root vs. Ventral Root

Spinal Nerves and Nerve Plexuses

* Ramus and Plexus
* Know Important Nerves of each Plexus – function and which plexus they go with
  + Cervical, Brachial, Lumbar, Sacral (Chart 7.2 page 262 can help also)

Somatic vs. Autonomic Nervous System

* Sympathetic vs. Parasympathetic in Autonomic N.S.

Know descriptions (functions) for ALL Divisions (and subdivisions) of the Nervous System