

# Nervous System Introduction Handout

**As you work your way through the nervous system introduction presentation, answer the following questions to help you collect the relevant information.**

1. What things are the nervous system responsible for?
2. Listed are the components of a neuron. Write down the properties and/or functions for each component.
  - I. Nucleus
  - II. Dendrite
  - III. Cell Body
  - IV. Axon
  - V. Myelin Sheath

**VI. Schwann Cell**

**VII. Node of Ranvier**

**VIII. Axon Terminal**

**3. What are the three classes of neurons? What are their properties and how do they function?**

**4. What is a neural circuit? What are the components that comprise a neural circuit, and what are their specific functions?**

5. When does a reflex arc occur? Describe and list the steps involved in a reflex arc.

6. What are the two subsystems of our nervous system? List and describe the properties of each.

7. What are afferent and efferent systems?

8. Why do you think reflexes have evolved to occur without the need for the brain to process the information? Explain your reasoning.