**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.**
3. **Nucleus**
4. **Dendrite**
5. **Cell Body**
6. **Axon**
7. **Myelin Sheath**
8. **Schwann Cell**
9. **Node of Ranvier**
10. **Axon Terminal**
11. **What are the three classes of neurons? What are their properties and how do they function?**
12. **What is a neural circuit? What are the components that comprise a neural circuit, and what are their specific functions?**
13. **When does a reflex arc occur? Describe and list the steps involved in a reflex arc.**

1. **What are the two subsystems of our nervous system? List and describe the properties of each.**
2. **What are afferent and efferent systems?**
3. **Why do you think reflexes have evolved to occur without the need for the brain to process the information? Explain your reasoning.**