NERVOUS SYSTEM TUTORIAL:

Go To**: Getbodysmart.com** and choose “Nervous System” from the main menu:

From the **Nervous System Organization** tutorial:

1. Read about the Sensory and Motor Divisions. How are they different? How are they alike?
2. Read about the Somatic and Autonomic Divisions. Explain how they are different.
3. Take the quiz and attempt to label the diagram. (don’t need to write anything here)

From the **Nerve Cells=Neurons** tutorial:

1. Describe the structures **and** functions of the dendrites, cell body, and axon.

2. Take the quiz and label the parts of the neuron diagram. **Draw and label the completed quiz diagram**.

From the **Support Cells= Neuroglia** tutorial:

1. Which 4 glial cells are found in the central nervous system? Briefly describe what they do.

2. What is an important glial cell in the Peripheral Nervous system? What does it do?

3. What is the function of the myelin sheath?

From the **Neurophysiology** tutorial:

1. From “overview of neuron membrane, briefly describe what the Na+/K+ pump does.
2. From “distribution of ions in resting neuron”, which ions are more concentrated inside the cell (ICF)? Which are more concentrated outside the cell (ECF)? Overall is the cell more + or – charged?
3. Read about the action potential and briefly describe it in your own words.
4. From “propagation rates compared”, how much faster is a myelinated axon? Why is it faster?

From the **Motor System** tutorial:

1. What are the 5 parts of the stretch reflex arc:

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