**QUESTIONS ON NEURONS**

1. How does a neuron’s structure fit its function?
2. Neurons are the most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell in the body and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells in the body.
3. How is the neuron like a battery?
4. Name and describe the three kinds of gates found in neurons.
5. Action potentials (nerve signals) are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ion exchange) and \_\_\_\_\_\_\_\_\_\_\_ (all or nothing).
6. Describe the following steps in an action potential
   1. Neuron at rest
   2. Neuron depolarizes
   3. Rising phase of action potential
   4. Falling phase of action potential
   5. Undershoot
7. What are the functions of the myelin sheath?
8. What is saltatory conduction?
9. How do impulses cross the synapse?
10. On the back of this sheet, briefly describe the effects of: Acetylcholine, Dopamine, Serotonin