

1. What are the two divisions of the nervous system?

\_\_\_\_\_ and \_\_\_\_\_

2. What are the three functions of the nervous system?

\_\_\_\_\_

3. Describe a neuron: \_\_\_\_\_

4. What are the two types of motor functions of the nervous system?

\_\_\_\_\_ and \_\_\_\_\_

5. What is the function of the Schwann cells? \_\_\_\_\_

6. List two jobs that neuroglial cells perform:

\_\_\_\_\_

7. What would happen to an infant whose nerve fibers did not myelinate properly?

\_\_\_\_\_

8. Sketch a neuron and label at least 4 structures

9. How are neurons classified? (name the 3 groups)

\_\_\_\_\_

10. What is the function of sensory neurons? \_\_\_\_\_

11. What is the difference between a resting potential and an action potential?

\_\_\_\_\_

12. What two molecules are necessary for the action potential (causing polarization and depolarization)

\_\_\_\_\_ and \_\_\_\_\_

13. Place the events in the correct order

\_\_\_\_\_ Potassium channels open

\_\_\_\_\_ Wave of action potentials travel the length of the axon as a nerve impulse

\_\_\_\_\_ Bioelectric current stimulates the membrane

\_\_\_\_\_ Sodium channels open

\_\_\_\_\_ Threshold stimulus received

14. What is a node of Ranvier? \_\_\_\_\_

15. What is the "all-or-none" response? \_\_\_\_\_