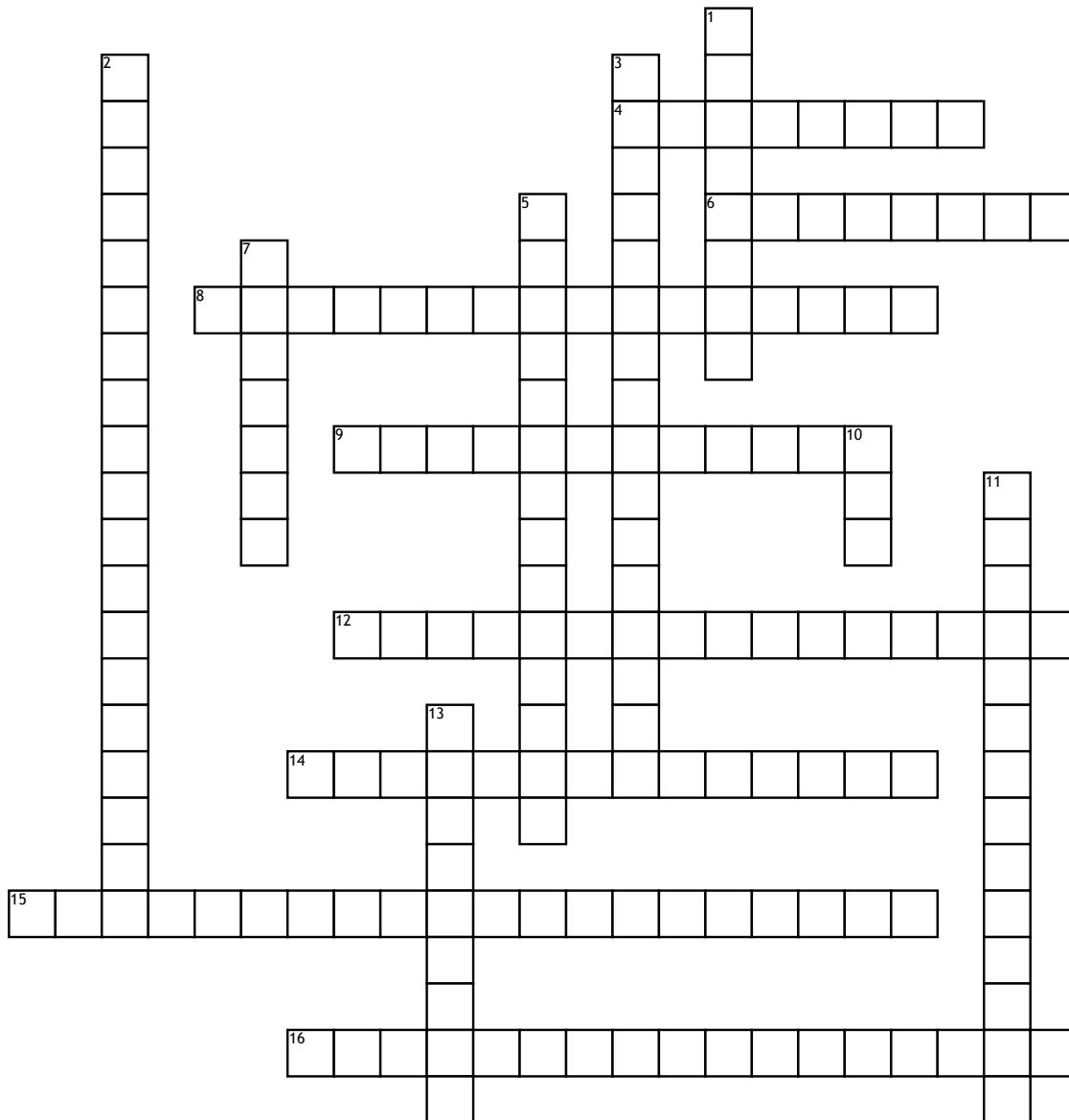


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Nervous System



## Across

4. A signal is sent away from the CNS towards the motor neurons  
 6. The final stage of an action potential in which a sodium-potassium pump switches the Na<sup>+</sup> and K<sup>+</sup>  
 8. The first stage of an action potential, in which K<sup>+</sup> is inside the neuron and Na<sup>+</sup> is outside  
 9. Cells made of myelin sheath which surround the axon  
 12. A period during an action potential in which the neuron cannot react to any stimuli

14. The space between the Schwann Cells on the axon  
 15. The brain and spinal cord  
 16. The fourth stage of an action potential, in which too much K<sup>+</sup> leaks out of the neuron

## Down

1. A signal is sent from the stimulus towards the CNS  
 2. When an impulse "hops" from node to node on the axon to speed up the signal  
 3. Chemical messenger which transmits signals across the synapse

5. The second stage of an action potential in which Na<sup>+</sup> enters the neuron  
 7. Nerve cells which are specialized to react to physical and chemical changes  
 10. Acronym used to determine the order in which an action potential passes through neurons  
 11. The third stage of an action potential, in which K<sup>+</sup> leaves the neuron  
 13. Branched extensions of a neuron which receive messages from other cells