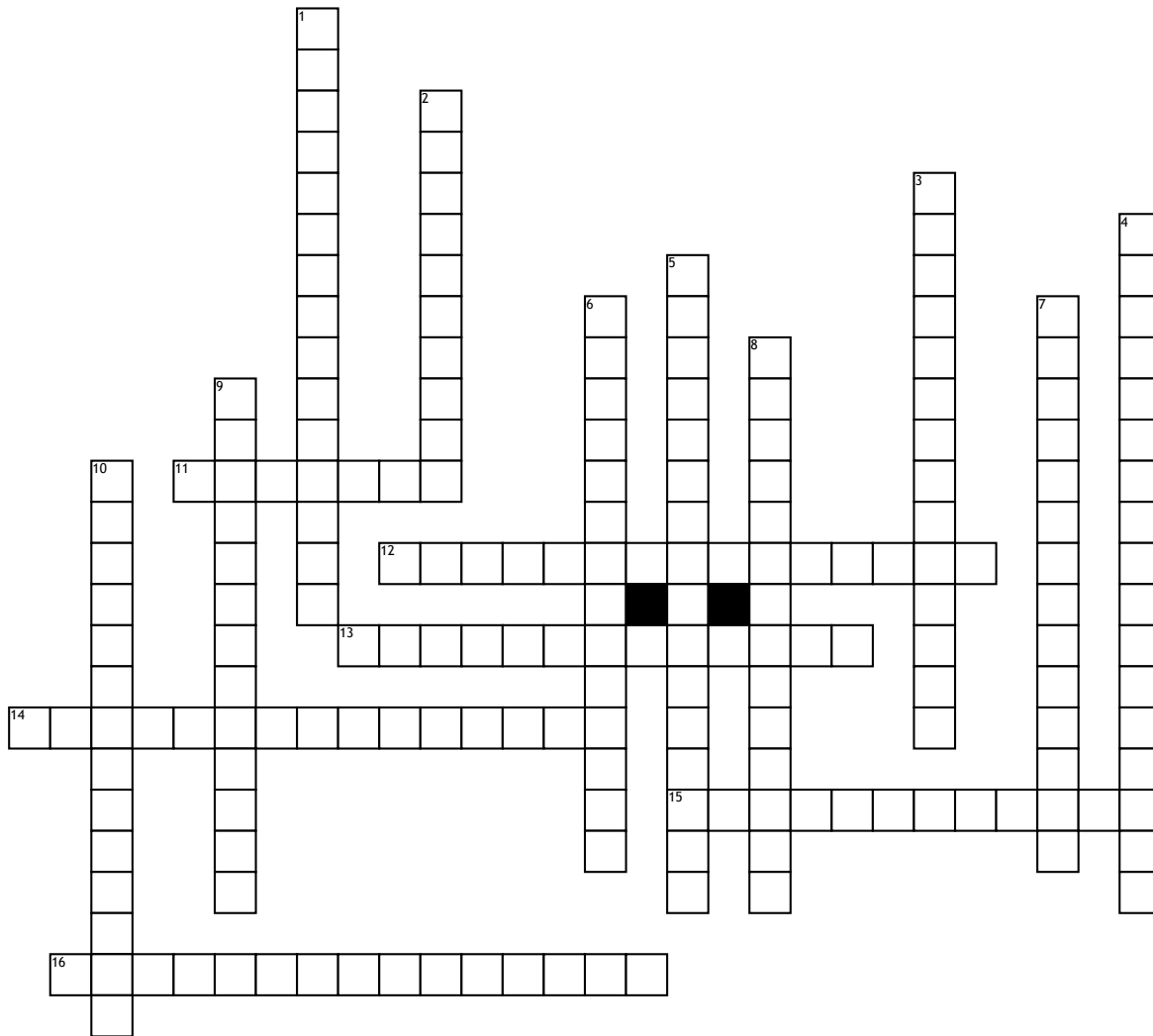


Name: \_\_\_\_\_

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

# Action Potential and Synaptic Transmission



## Across

11. consists of a cell body, dendrites and axons

12. depolarization, repolarization, and refractory period

13. sends messages by electrochemical signals, faster responses than the endocrine system

14. carries information from interneurons

15. relays impulses between neurons

16. waves of depolarization, repolarization, and refractory periods

## Down

1. send information from stimuli to CNS

2. secrete fats and forms myelin sheaths

3. when the action potential reaches its peak

4. an autoimmune disease that can result in symptoms of imbalance, fatigue, tingling and numbness

5. when the Na<sup>+</sup> channels are locked and the sodium potassium pump is pumping 3 Na<sup>+</sup> out for every 2 K<sup>+</sup> in

6. transmits input through receptors

7. when the inside of the cell is more positive than the outside

8. carries signals to effectors

9. electrical insulators

10. gaps in between myelin sheaths