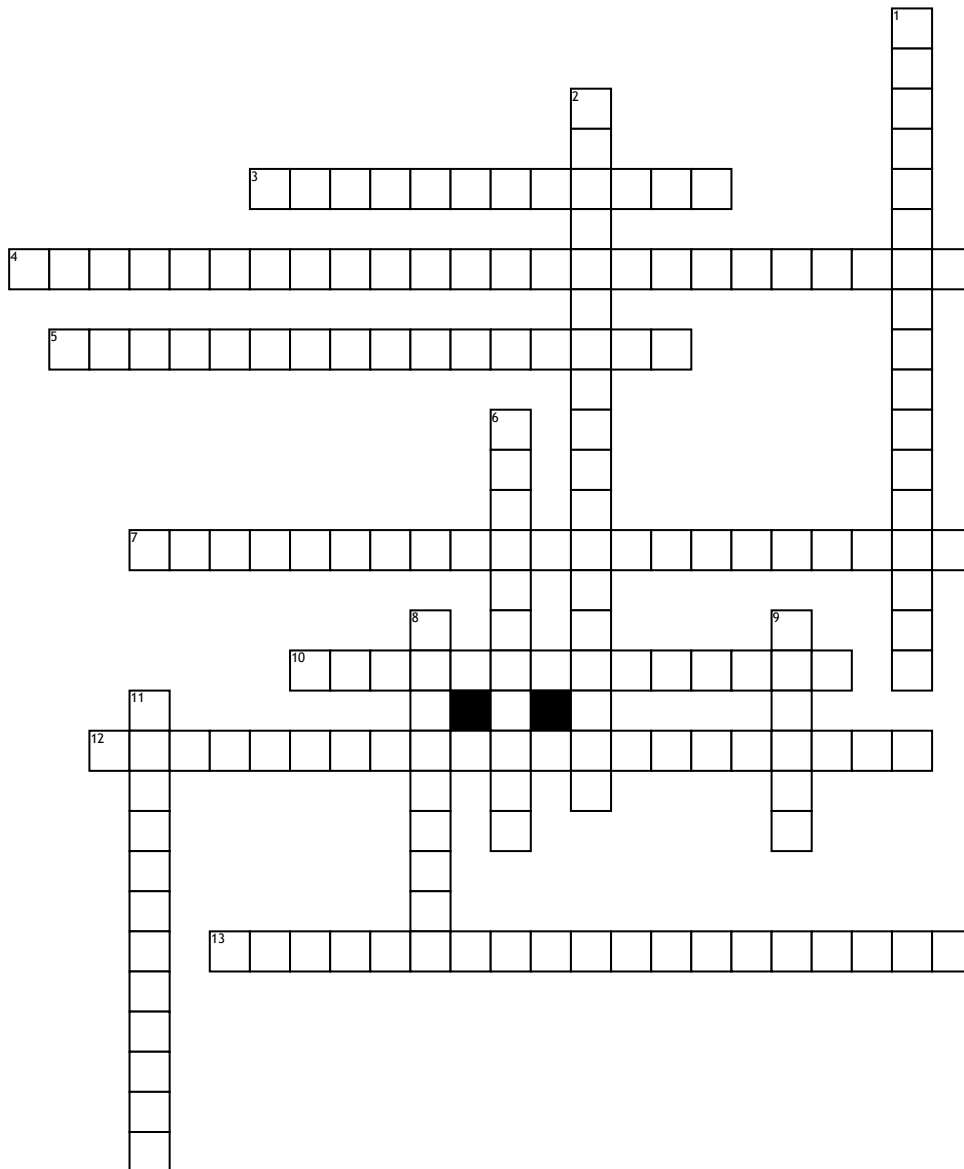


Nerve Impulse



Across

3. What states that all stimulation that reaches the threshold produces an action potential?

4. At what point is the membrane incapable of producing an action potential regardless of the stimulation?

5. Voltage difference between the inside and outside of the cell

7. Why can some chemicals pass more freely through the cell membrane?

10. What is a decrease in charge inside a neuron?

12. What is the difference in distribution of ions across the membrane?

13. Which protein complex repeatedly transports three sodium ions and out two potassium ions into the cell?

Down

1. What is an increase in charge inside of a neuron?

2. What keeps the potassium ions from being pulled outside of the cell?

6. Transmission of an action potential down an axon.

8. Which ions are more concentrated inside the cell?

9. Which ions are more concentrated outside of the neuron?

11. Difference in electrical charge between the inside and outside of the cell