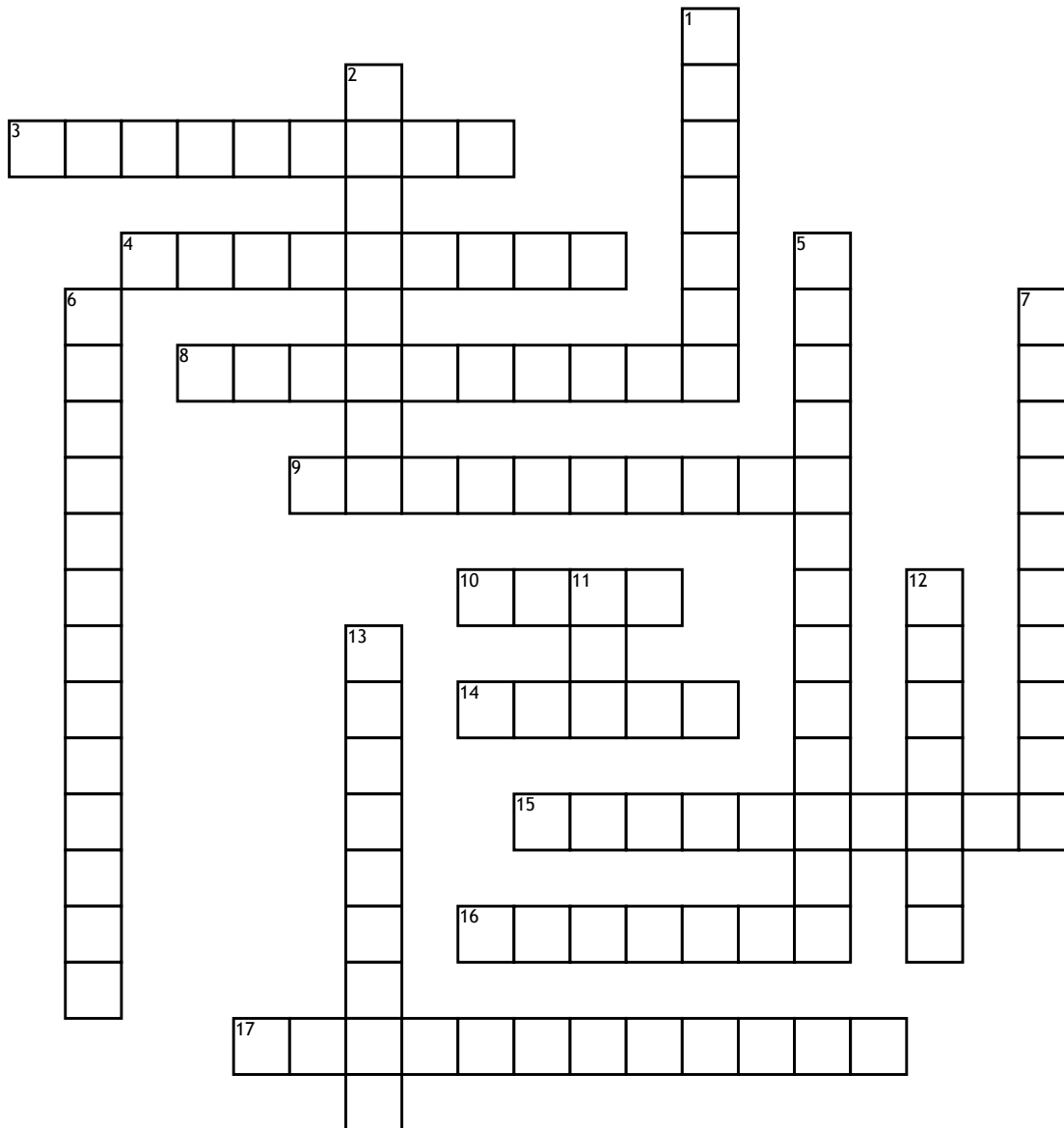


Name: _____ Date: _____ Period: _____

Neuroscience Crossword Puzzle



Across

3. The level of stimulation required to trigger a neural impulse

4. People who have splitting migraines may have an overproduction of this neurotransmitter

8. Signals that tell the neuron "FIRE!" (insert happy dance here)

9. Period after a neuron has fired an impulse; it pauses to recharge itself so it can fire again

10. Part of a neuron that passes messages away from the cell body to other neurons, muscles, or glands

14. Type of neurons that control muscles

15. Undersupply of Acetylcholine (ACh) marks this brain disease

16. Another name for action potential (the message being sent); a brief electrical charge that travels down an axon

17. Layer of fatty tissue that insulates the axons of some neurons and helps speed their impulses

Down

1. Neurons that carry incoming information from the sense receptors (sight, sound, touch, taste, smell) to the central nervous system

2. Neurotransmitter that helps control the brain's reward and pleasure center

5. Neurotransmitter that triggers muscle contraction

6. Excess dopamine receptor activity is linked to this brain disease

7. From Legally Blonde: "Exercise gives you _____. _____ make you happy. Happy people just don't shoot their husbands. They just don't." (Hint- They are the same word)

11. The sodium-potassium pump moves _____ out of the axon

12. Provides energy for the neuron to carry out its function

13. The finger-like branches on a neuron that receive messages from other cells