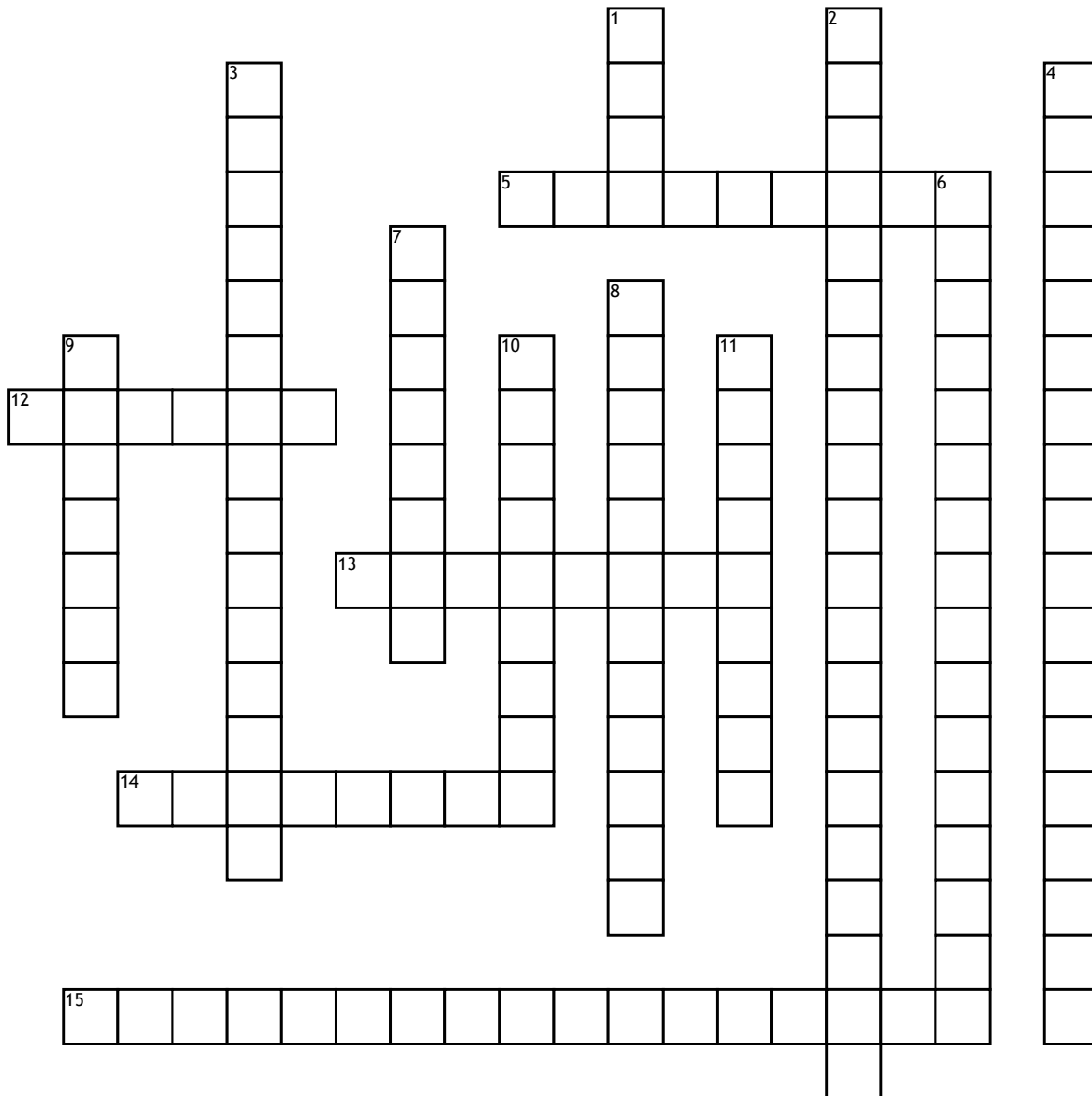


Name: _____

Date: _____

The Brain and Learning



Across

5. Branchlike parts of a neuron that are specialized to receive information.

12. A nerve cell that is specialized to receive and conduct electricayl impulses

13. An action or change in behavior that occurs as a result of a stimulus.

14. A signal to which an organism responds

15. Chemical messengers that cross the synaptic gaps between neurons.

Down

1. A threadlike extension of a neuron that carries nerve impulses away from the cell body.

2. Brain and spinal cord

3. All of the energy waves that travel at the speed of light in a vacuum; includes radio, infrared, visible, ultraviolet, X rays, and gamma rays

4. Must be generated in order for neurons to pass on the molecular message

6. nerves that respond to stimuli and trigger electrical signals

7. tiny gaps between dendrites and axons of different neurons

8. A white, fatty covering wrapped around the axons of some neurons that increases their communication speed.

9. Which of the following nerves carry information from the body to the brain via the spinal cord?

10. Special structures that allow living organisms to sense the conditions of their internal or external environment

11. neuron