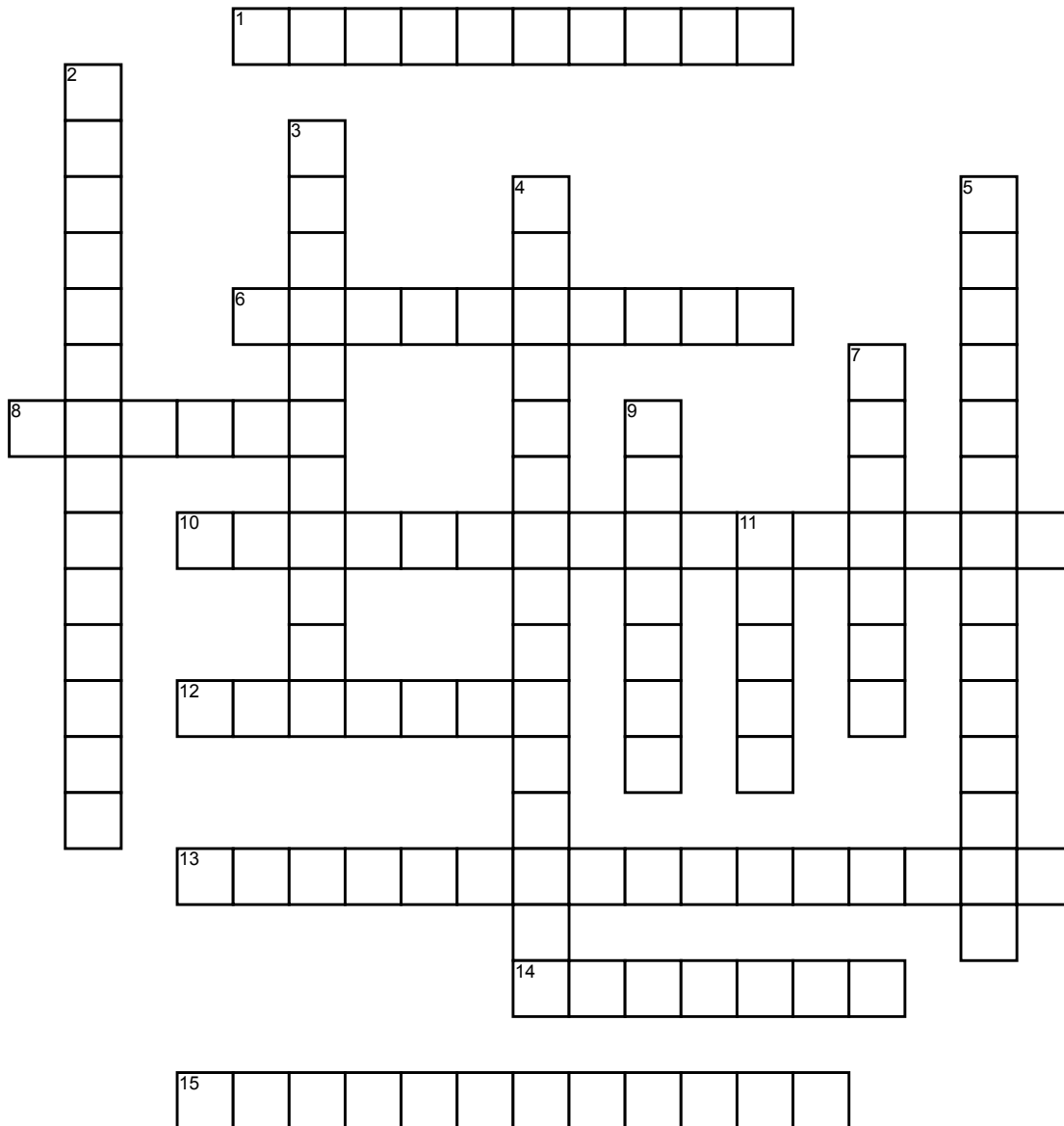


Name: _____

The Nervous System



Across

- 1.** It connects the central nervous system to the rest of the body and detects responses to change
6. Part of the brain that controls balance and muscle action
8. Nerve cell
10. A chemical substance released from the axon terminals into the synapse during a nerve impulse
12. The gap between adjoining neurons

- 13.** A sense organ or cell that responds to stimuli such as touch or sound
14. Changes in the environment that can be detected and responded to
15. Monitors internal systems and controls the release of hormones to maintain homeostasis

Down

- 2.** Sensory receptor that responds to light
3. Nerve cell that carries impulses through the central nervous system

- 4.** A sensory receptor that is stimulated by heat or cold
5. A sensory receptor that responds to chemical stimuli such as smell and taste
7. Part of the nervous system composed of brain and spinal cord
9. A nerve cell in the sense organ
11. Nerve cell that causes an organ such as a muscle or gland to respond to the stimuli