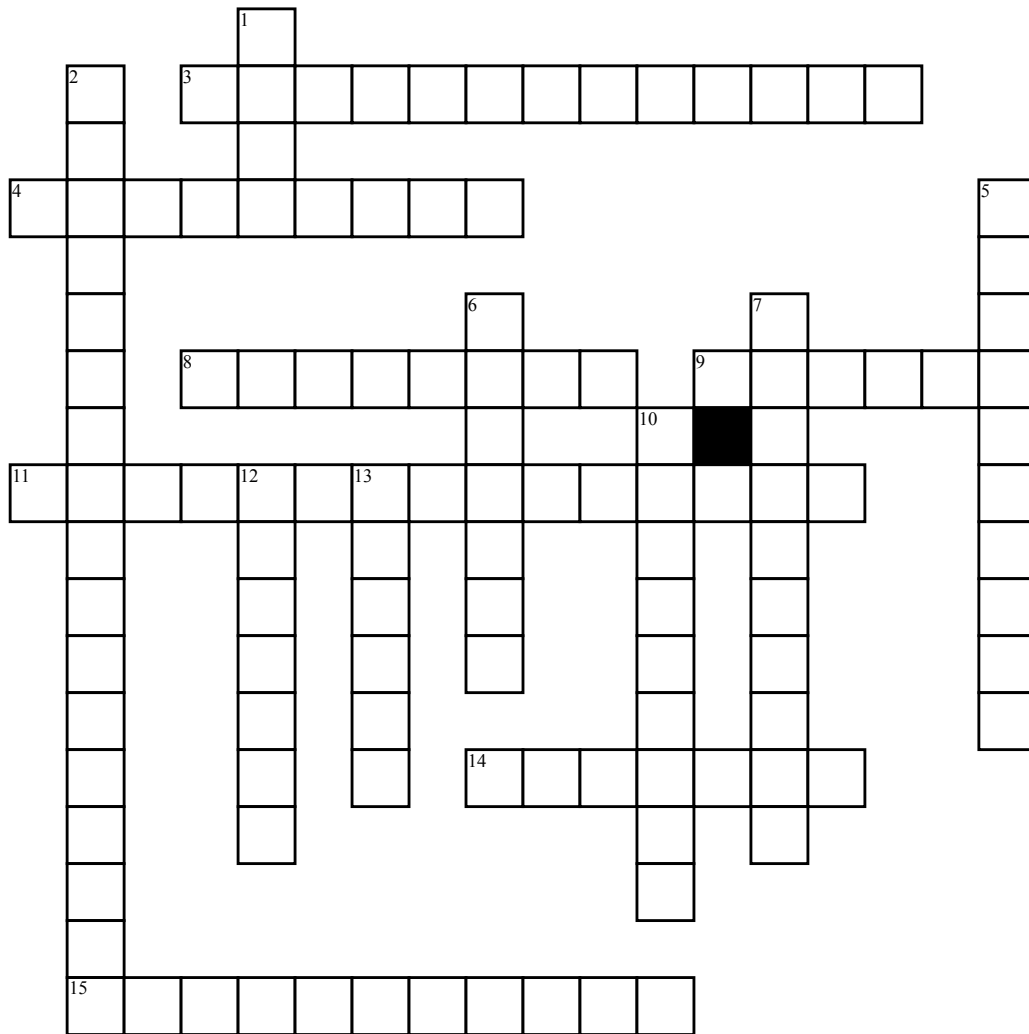


Name: _____

The Nervous System



Across

3. Small fibers that branch out from the axon to transmit messages from one neuron to the next.
4. The part of the peripheral nervous system that regulates the body's vital functions.
8. The part of a nerve cell that produces energy that fuels cellular activities.
9. Another name for a nerve cell.
11. The part of the autonomic nervous system that restores the body's reserves of energy after a stressful situation has passed.
14. The _____ nervous system consists of the brain and spinal cord.

15. Part of the autonomic nervous system that is activated when a person is going into action due to a stress event.

Down

1. The part of the neuron that transports messages away from the cell body towards the next cell.
2. Chemicals that are stored in sacs in the axon terminals.
5. A column of nerves that extends from the brain down the back.
6. The division of the peripheral nervous system that is responsible for transmitting sensory messages to the central nervous system.

7. The _____ nervous system that is made up of nerve cells that send messages to the rest of the body from the central nervous system.

10. The thin fibers that receive information from other neurons and pass the message through the cell body.

12. The gap between the axon terminals of one cell and the dendrites of the next cell.

13. The white fatty substance that insulates and protects the axon.

Word Bank

Axon

Myelin

Sympathetic

Somatic

Spinal Cord

parasympathetic

Central

Neuron

dendrites

Neurotransmitters

Synapse

Peripheral

Cell Body

Autonomic

Axon Terminals