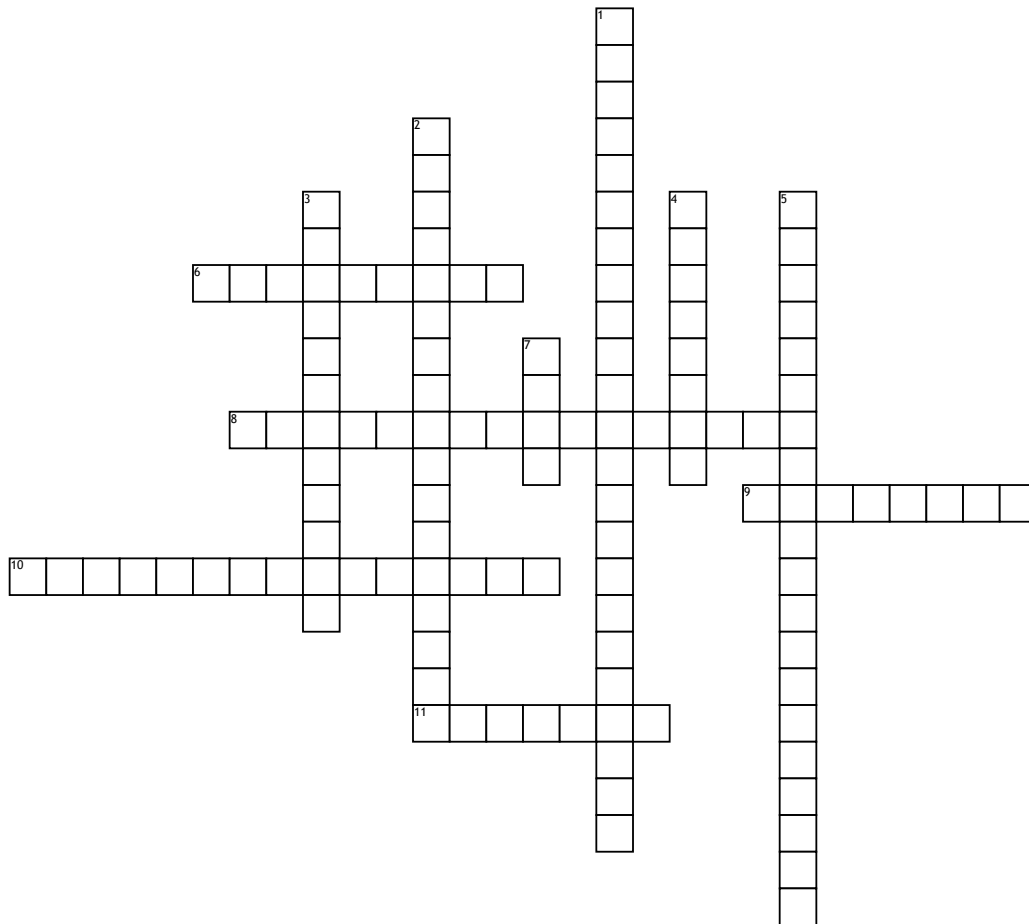


The Nervous System



Across

6. The minimum level of a stimulus that is required to cause an impulse
8. An electric charge across the cell membrane of a resting neuron
9. The largest part of a typical neuron; contains the nucleus and much of the cytoplasm
10. The reversal of charges across the cell membrane of a neuron
11. The point at which a neuron can transfer an impulse to another cell

Down

1. A network of nerves and supporting cells that carry signals into and out of the central nervous system
2. Chemicals used by a neuron to transmit an impulse across a synapse to another cell
3. An insulating membrane surrounding the axon in some neurons
4. An extension of the cell body of a neuron that carries impulses from the environment or from other neurons toward the cell body
5. Includes the brain and spinal cord; processes information and creates a response that it delivers to the body
7. A long fiber that carries impulses away from the cell body of a neuron

Word Bank

Resting Potential
Dendrite
Threshold
Myelin Sheath

Central Nervous System
Action Potential
Axon
Cell Body

Synapse
Peripheral Nervous System
Neurotransmitters