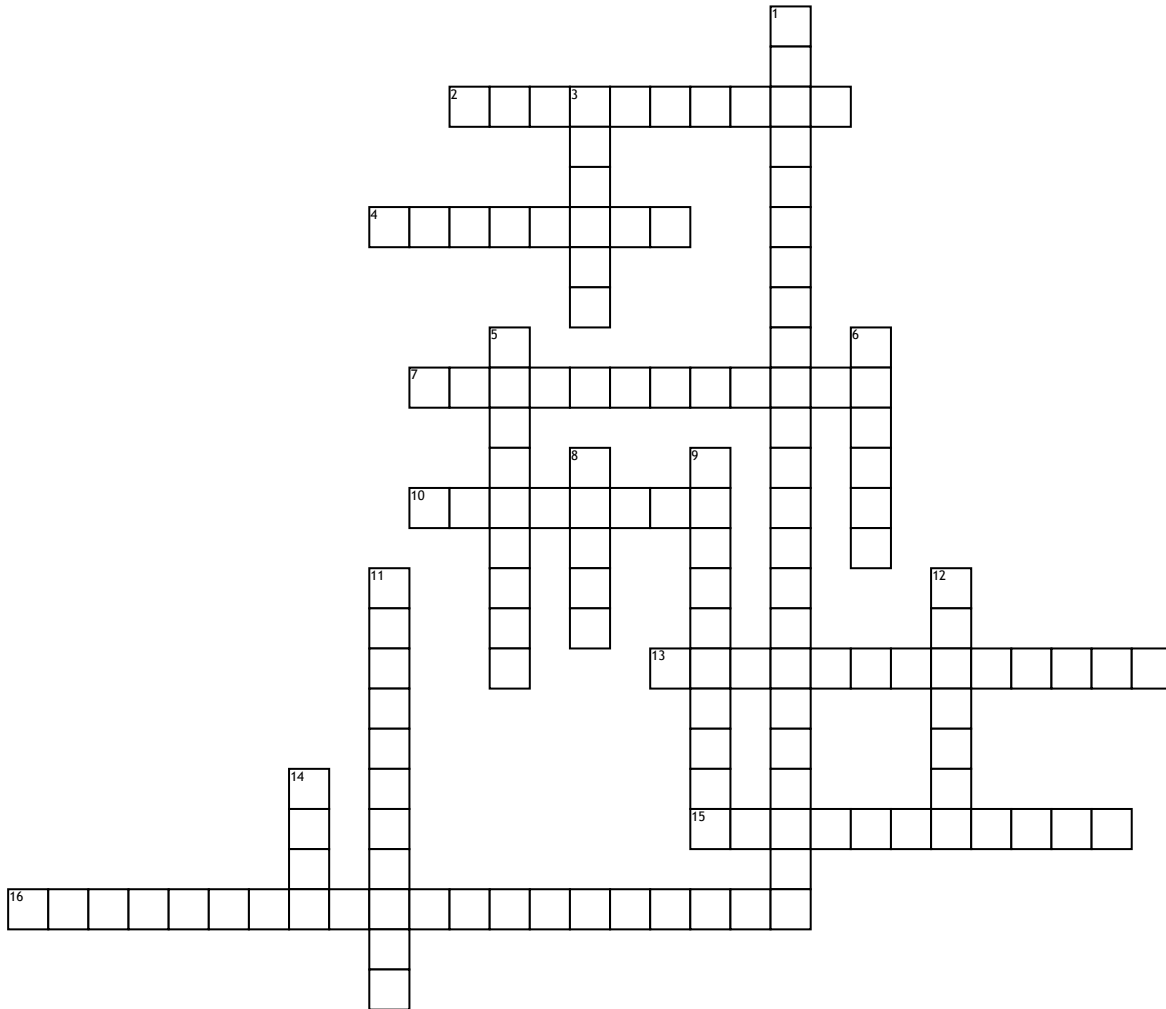


Nervous System Vocabulary



Across

2. The thick column of nerve tissue that is enclosed by the vertebrae and that links the brain to most of the nerves in the peripheral nervous system.
4. The part of the brain that interprets input from the senses, controls the movement of skeletal muscles, and carries out complex mental processes.
7. A message carried by a neuron.
10. A threadlike extension of a neuron that carries nerve impulses toward the cell body.
13. A neuron that picks up stimuli from the internal or external environment and converts each stimuli into a nerve impulse.
15. A neuron that sends an impulse to a muscle, causing the muscle to contract.

16. The brain and the spinal cord; the control center of the body.

Down

1. All the nerves located outside the central nervous system; connects the central nervous system to all parts of the body.
3. A cell that carries messages through the nervous system.
5. The part of the brain that controls many body functions that occur automatically.
6. An automatic response that occurs very rapidly and without conscious control.
8. The part of the central nervous system that is located in the skull and controls most functions in the body.

9. The part of the brain that coordinates the actions of the muscles and helps maintain balance.
11. A neuron that carries nerve impulses from one neuron to another.
12. The tiny space between the top of an axon and the next structure.
14. A threadlike extension of a neuron that carries nerve impulses away from the cell body.