



**DOWN:**

1. Largest part of the neuron that contains the nucleus
2. Sends messages from your brain and spinal cord to muscle cells
4. Eyes, ears, tongue, nose, and skin are examples of \_\_\_ organs.
5. Part of the brain that controls actions of muscles and maintains balance
6. Gap between two neurons
7. Nervous system that consists of a network of nerves branching out from the central nervous system
9. Automatic response to the environment
11. Carries messages to the cell body of a neuron
12. Carries messages away from the cell body of a neuron
13. Basic unit of structure and function in the nervous system
14. Change in the environment that causes a response

**ACROSS:**

1. Largest part of the brain where learning, intelligence, and judgment occur
3. Sweet, sour, salty, and bitter
5. Nervous system that consists of the brain and spinal column
6. Carries messages to your brain and spinal cord from receptors in your skin
8. Special cell in our skin that allows us to sense pressure, heat, cold, and pain
10. Connects the brain to the spinal cord and controls involuntary actions, such as breathing, blood pressure, and heartbeat
15. Connects sensory neurons to motor neurons
16. Largest sense organ
17. Special cell in muscles that receives messages from motor neurons