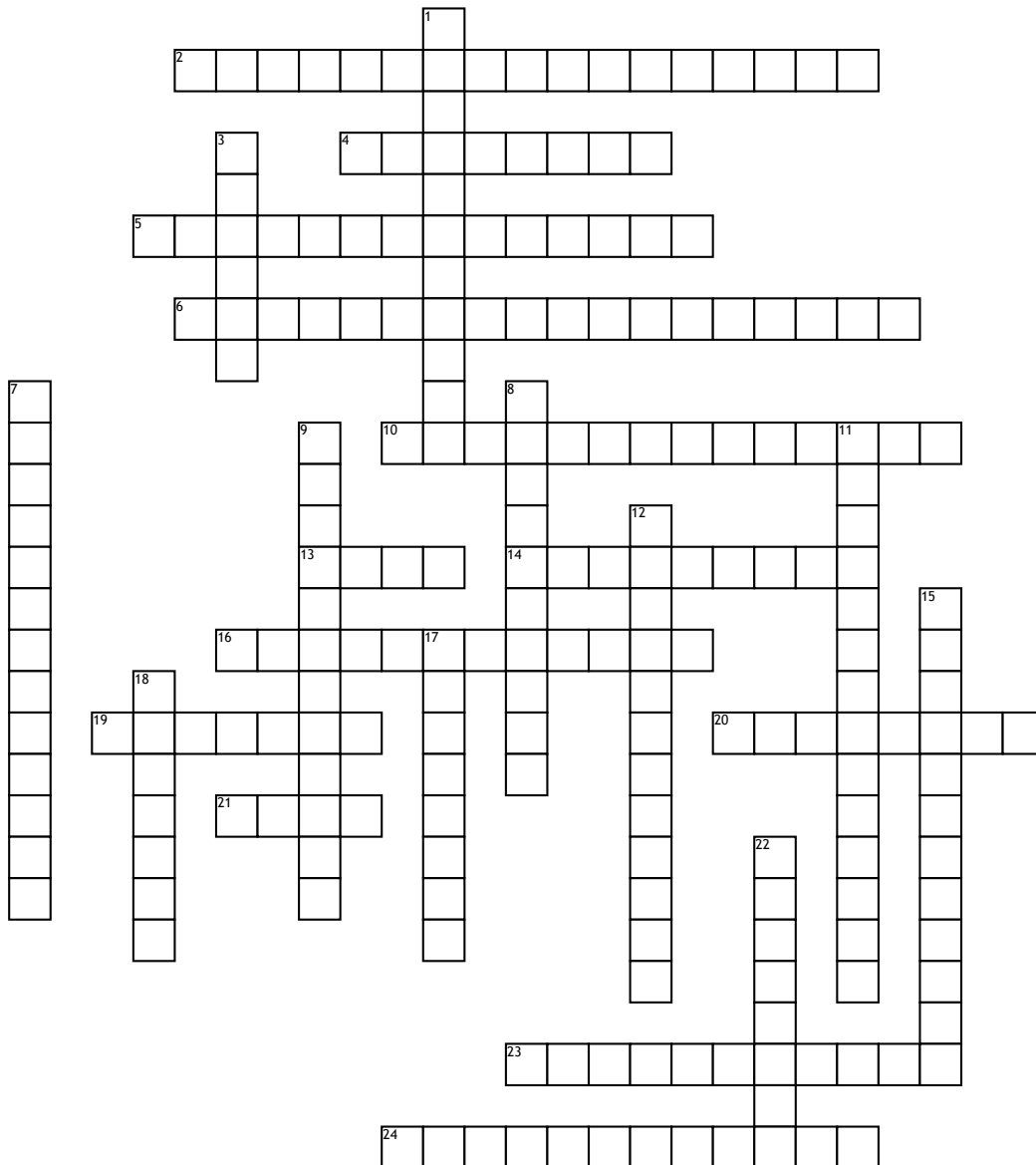


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Parts of the Brain and Neuron



## Across

2. These are chemicals that activate or inhibit an action potential within the neural system.
4. This is part of a neuron. It receives communication from other neurons. It also picks up neurotransmitters and sends messages to the cell body.
5. This structure connects the 2 hemispheres of the brain that are contralaterally organized.
6. This part of the brainstem controls our arousal.
10. This structure of the brain is in charge of the control and information processing center. It is typically displayed as being very wrinkly.
13. This part of the brainstem controls our movement and sleep.
14. This brain structure is in charge of our automatic survival functions and has 3 main parts.
16. This part of the cerebral cortex controls the sensory information in our brain.

19. This part of the brainstem controls our heartbeat and breathing.
20. This is part of a neuron. It contains a nucleus and makes decisions about what the cell will do.
21. This is part of a neuron. An electric transmission of messages runs through this structure.
23. This part of the limbic system allows us to make new memories.
24. This is a fatty substance that acts as insulation on an axon. It speeds up transmission of the electrical signal that runs through the neuron.

## Down

1. This part of the cerebral cortex controls our thinking and decision-making.
3. These are bundles of neurons with many axons that are essential in the nervous system.
7. This part of the cerebral cortex controls our vision.

8. This brain structure is in charge of our voluntary movements and balance.
9. This part of the cerebral cortex controls our hearing and processing.
11. This part of a neuron sends messages to other neurons/muscles.
12. This system within the brain controls our drives/motives and emotions. It has 3 main parts.
15. This part of the limbic system controls our eating, body temperature, drinking, emotions, endocrine system, and pleasure.
17. This brain structure sits in the middle of the brain. It can be referred to as a sensory switchboard since it decides where to send signals that come from the spine.
18. The body's information system. AKA the basic building blocks of the brain.
22. This part of the limbic system controls our fear, anger, and rage.