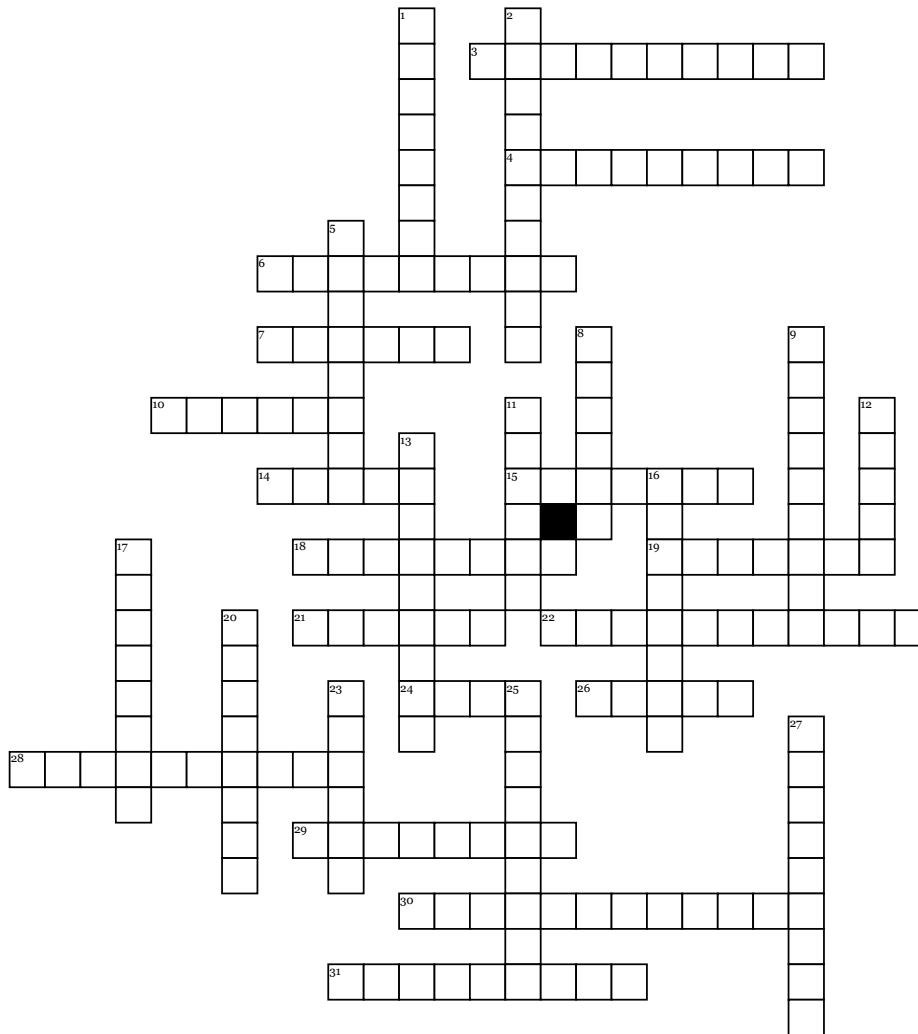


# The Nervous System



## Across

3. Also known as "Little Brain"

4. K+

6. Cranial nerve responsible for smell

7. A group of spinal nerves forms a \_\_\_\_\_

10. There are \_\_\_\_\_ cranial nerves

14. What is cranial nerve II?

15. \_\_\_\_\_ lobe is large and contains the areas for written and motor speech

18. The brain and spinal cord are covered with three protective membranes called \_\_\_\_\_

19. The cerebellum is responsible for controlling \_\_\_\_\_

21. What is cranial nerve VII?

22. Cranial nerve responsible for movement of the tongue

24. An extension that carries impulses away from the neuron cell body

26. Sensory neurons carry information to the \_\_\_\_\_

28. Long mass of nerve cells and fibers extending through a central canal on the back of the body

29. Neurons differ in shape and size depending on their what?

30. The part of the brain that regulates homeostasis

31. There are \_\_\_\_\_ pairs of spinal nerves

## Down

1. There are twelve pairs of spinal nerves located here

2. The part of the nervous system which consists of the cranial nerves, spinal nerves, and the autonomic nervous system

5. Motor neurons which receive messages from the CNS and transmit them

8. Basic structural and functional cell of the nervous system

9. Axons which are bundled into groups are called \_\_\_\_\_

11. Automatic or involuntary response to a stimulus

12. What is cranial nerve X?

13. Which lobe is responsible for eye movements?

16. \_\_\_\_\_ lobe receives and interprets auditory signals

17. Motor neurons which receive messages from all parts of the body and transmit them

20. Cranial nerve responsible for eye movements

23. Na+

25. The study of the nervous system

27. The part of the brain which includes the midbrain, pons, and medulla

## Word Bank

|              |            |           |            |            |            |             |
|--------------|------------|-----------|------------|------------|------------|-------------|
| axon         | fascicles  | Muscles   | Thirty One | Neuron     | Reflex     | Spinal Cord |
| Hypoglossal  | Brain Stem | Afferent  | Neurology  | Meninges   | Function   | Frontal     |
| Brain        | Potassium  | Efferent  | Olfactory  | Peripheral | Abducent   | Facial      |
| Optic        | Temporal   | Occipital | Vagus      | Plexus     | Cerebellum | Sodium      |
| Hypothalamus | Thoracic   | Twelve    |            |            |            |             |