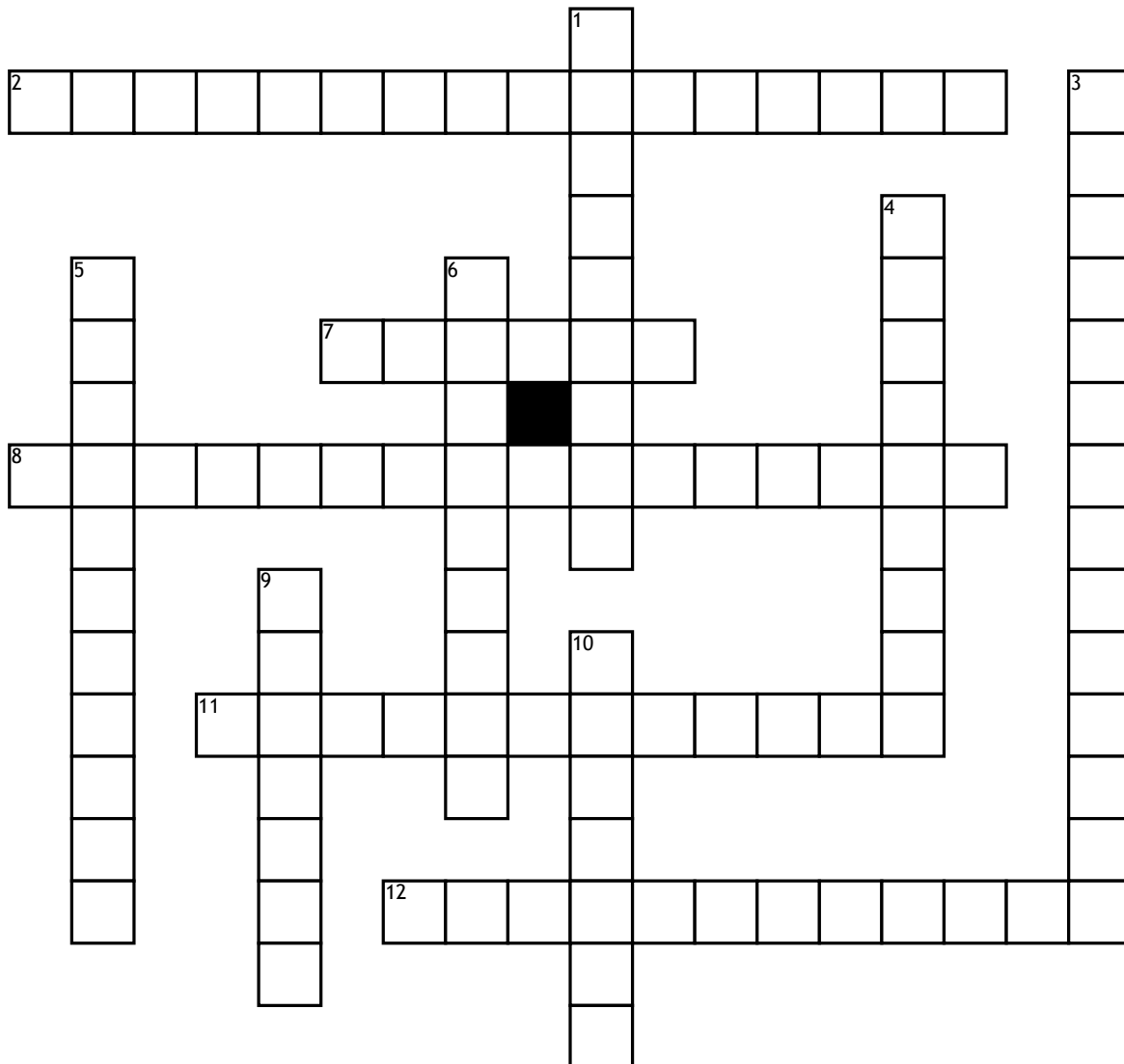


The Nervous System



Across

2. A feedback that occurs when the response is going in the same direction as the stimulus

7. A white insulating substance which helps speed up the conduction of the message through the neuron

8. A feedback that occurs when the response is in an opposite direction to the stimulus

11. A type of neuron that carries the impulse through the central nervous system

12. A type of neuron that takes the impulse to effectors such as muscles or glands

Down

1. Highly sensitive branching extensions on the cell membrane of the cell body that possess numerous receptors and that can receive messages from other cells

3. A type of neuron that carries the impulse generated by the stimulus to the central nervous system

4. Cells that receive messages from the central nervous system to respond in a particular way. The response depends on the original stimulus. Examples of effectors are muscles and glands.

5. The maintenance of the constant internal environment of your cells

6. Special types of nerve cells that identify changes inside and outside your body

9. The gap between neurons

10. The nerve cells that compose the central nervous system and the peripheral nervous system