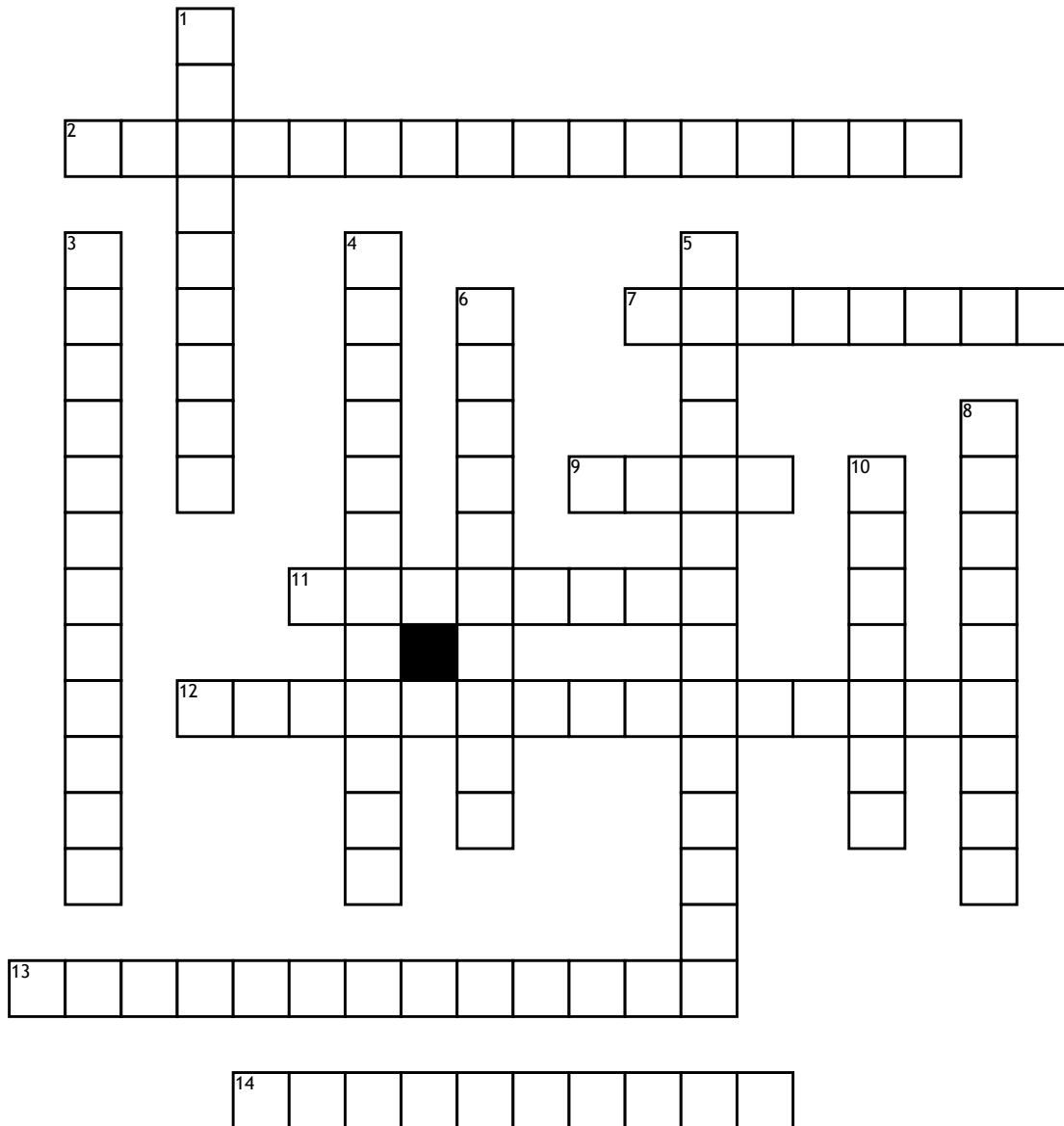


Name: _____

Date: _____

HOPE Chapter 3 Introduction



Across

2. Living sensors in the skin that obtain and relay information to the spinal cord or brain

7. The largest part of the brain that is involved in conscious thought, memory, and interpreting sensory information; consists of two halves, the right and left hemispheres

9. A part of a neuron that carry nerve impulses away from the cell body

11. A part of a neuron that contains a nucleus, sends and receives nerve impulses, and controls the cell's growth

12. Sensory receptors that respond to heat and cold

13. A bare nerve ending that reacts to a particular type of strong stimulus

14. The second largest part of the brain; controls skeletal muscles during complex movements

Down

1. A part of a neuron that are branching extensions from the cell that receive impulses from other neurons and send them to the cell body.

3. The part of the brain that helps generate and regulate emotions and coordinate overall brain activity

4. The neurons that relay signals from the CNS system to other parts of the body

5. The neurons that transmit information from the senses to the CNS

6. The thick bundle of nerve fibers located within the spinal cavity that transfers signals from the brain to the peripheral nervous system and controls reflexes

8. Controls involuntary muscles and activities in your body such as breathing and heartbeat

10. The nerve cells of the body