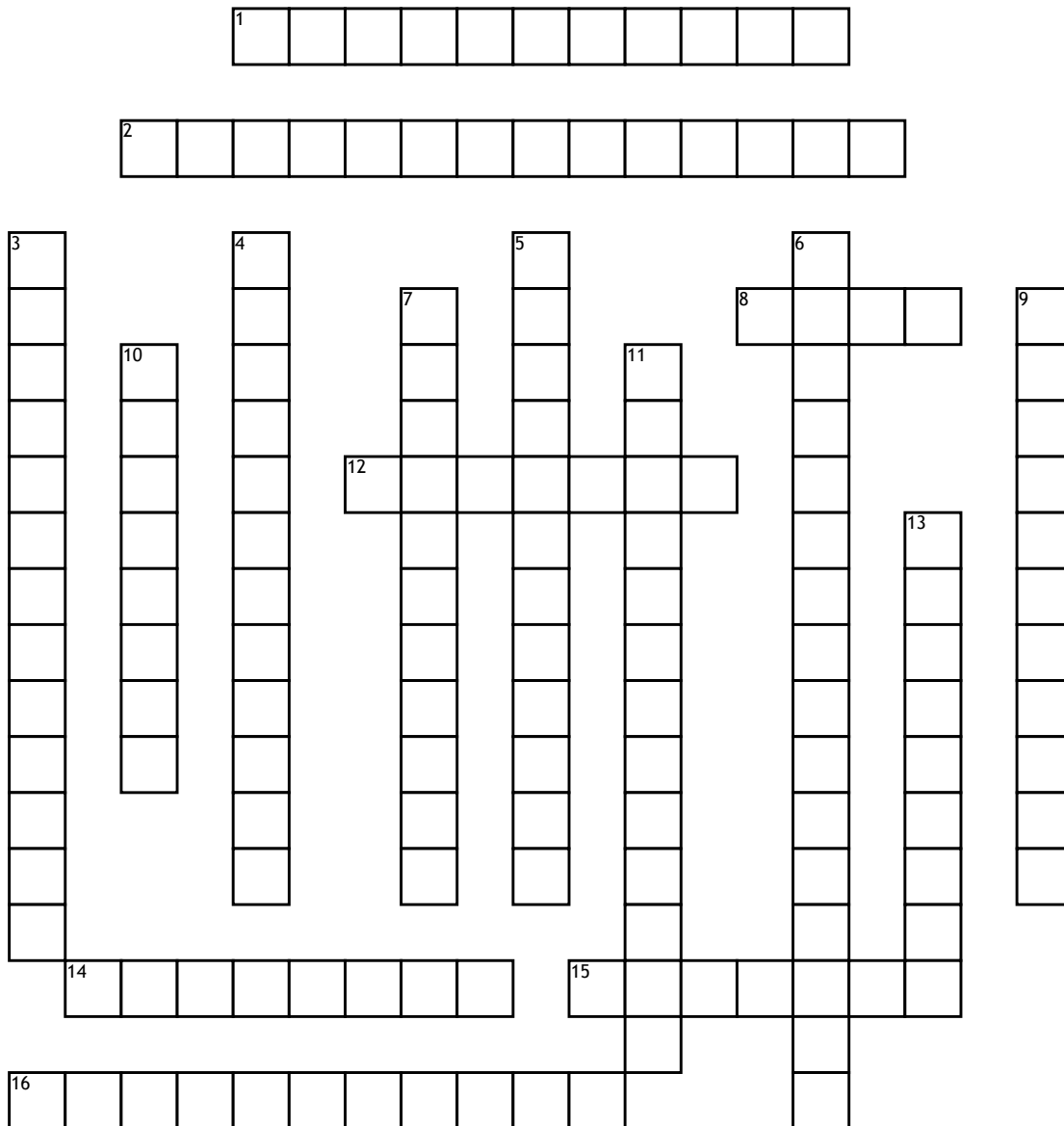


Chapter 8: The Nervous System



Across

1. Carries impulses within the CNS.
2. In which direction does the impulse go across the synapse?
8. Action potential consists of two processes: first __polarization and then __polarization.
12. Difference in charge across a neuron that is not conducting impulses is the _____Potential.
14. Which area of the brain is responsible for conscious thought?
15. Which nerves innervate skeletal muscle?
16. Which division of the peripheral nervous system is associated with stressful conditions (fight or flight).

Down

3. Neurotransmitters are released from synaptic vesicles located within the _____ of the axon.
4. Within the Peripheral nervous system, the myelin sheath is formed by?
5. Which area of the brain is the control center for homeostasis and endocrine gland activity?
6. The correct path of a reflex arc goes as follows; _____-sensory neuron-Interneuron-Motor neuron-_____.
7. In a reflex arc, which type of neuron is located completely within the central nervous system?

9. Carries impulses away from the CNS.
10. Which part of the motor neuron conducts the impulse toward the cell body?
11. Carries impulses toward the CNS.
13. Which part of the peripheral nervous system is concerned with proper functioning of internal organs?