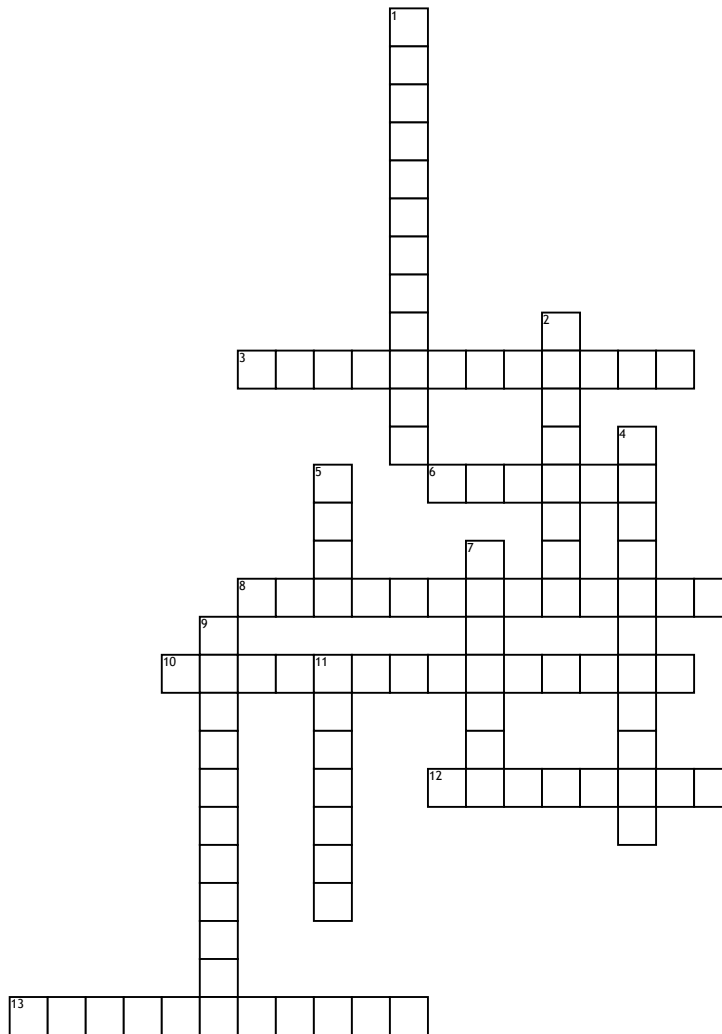


Name: _____ Date: _____ Period: _____

Nervous System Crossword puzzle



Across

3. The insulating covering that surrounds an axon with multiple spiral layers of myelin
6. Basic unit of the nervous system
8. Nerve cells within the nervous system responsible for converting external stimuli from the organism's external environment into internal electrical impulses
10. A gap in a myelin sheath of a nerve between adjacent schwann cell
12. Spherical part of neuron that contains the nucleus

13. Are the main glial cells of the peripheral nervous system which wrap around axons of motor and sensory neurons to form myelin sheath

Down

1. It is the length of time between the application of the stimulus and detection of a response
2. The branchlike structure of the neuron that extends from the cell body to receive an impulse
4. A neuron which transmits impulses between other neurons, especially as part of a reflex arc

5. The part of neuron that transmit impulses away from the cell body
7. The space between neurons where electrochemical signals pass
9. A nerve cell forming part of a pathway along which impulses pass from the brain or spinal cord to a muscle or gland
11. Any factor in the environment that influences the behavior of an organism

Word Bank

Interneuron
Dendrite
Stimuli
Axon

Synapse
Sensory neuron
Myelin sheath

Cell body
Motor neuron
Schwann cell

Reaction time
Nodes of Ranvier
Neuron