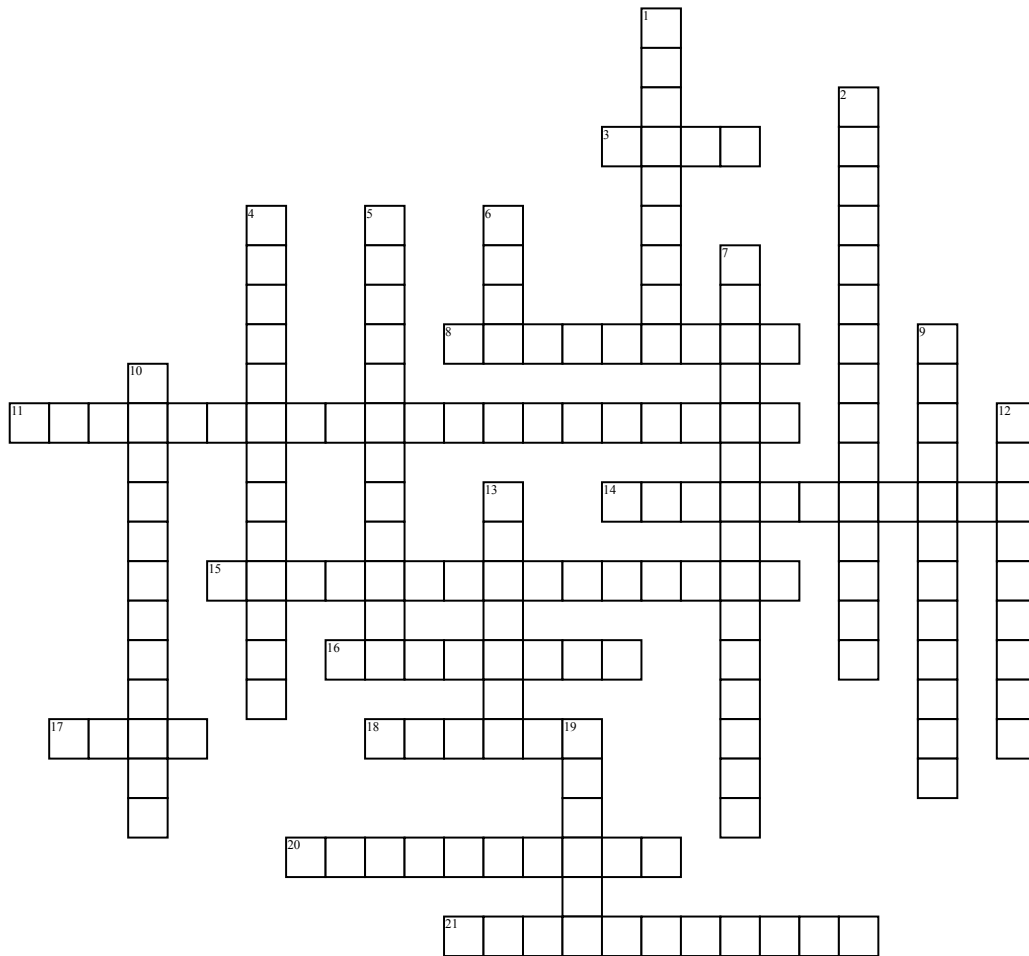


# Brain and Nervous System



## Across

3. Contains the nucleus  
 8. Multiple Functions (CNS)  
 11. 1 neuron communicates w/ another (Info pass by axon then bind on post-synaptic cell)  
 14. Directs the body's rapid involuntary response to danger  
 15. Myelination of Axons (CNS)  
 16. Propagate the electrochemical stimulation from other cells to the cell body  
 17. Conducts electrical impulses away from the neurons soma

18. Allows electrical impulses to transmit quickly  
 20. Nerves and Ganglia outside the brain and spinal cord  
 21. Cognitive skills (Control Panel)  
**Down**  
 1. Acts unconsciously and regulates bodily functions  
 2. Conserves energy (Rest and Digest system)  
 4. Visual processing (Back)  
 5. Creating and preserving both conscious and long-term memory (Close to the ear)

6. Involved in passing information regarding the face; eyes  
 7. Brief change in the voltage across the membrane (Transport electrical signals)  
 9. Providing synapse between neurons  
 10. Processes sensory information (Upper back area)  
 12. Debris Cleanup (CNS)  
 13. Brain and Spinal Cord  
 19. Receive, assimilate and analyze, and finally transmit information

## Word Bank

Pons	Temporal Lobe	Soma	Astrocyte	Oligodendrocyte
Parietal Lobe	Axon	Synaptic Transmission	Frontal Lobe	Sympathetic
Microglia	Peripheral	Autonomic	Parasympathetic	Myelin
Central	axon terminal	Neuron	Occipital Lobe	Action Potential
Dendrite				