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Brain and Nervous System

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| **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 |

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