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Biology Nervous System

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| **Across**  **5.** The white fatty membrane that protects the neuron  **9.** The protective coverings of the brain and spinal cord  **11.** An electrochemical pulse that moves long the membrane of a neuron  **12.** A rounded portion of the lower brain that relays information from one side of th brain to the other  **15.** The chemicals responsible for extending the nerve impulse from one cell to the next  **17.** The part of the nervous system consisting of the brain and spinal cord  **18.** The part of the neuron with the greatest diameter; contains the nucleus | **Down**  **1.** The series of neurons that produces a single reaction in response to a stimulus  **2.** Part of the brain; Relay center between spinal cord and brain; reflex center  **3.** The brain region that receives general sensations and relays impulses to a parietal lobe  **4.** The gray matter of the cerebrum  **6.** The region of the brain that controls involuntary activities  **7.** Part of the neuron that receives nerve impulses and transmits them toward the cell body  **8.** Part of the brain that monitors and adjusts body activities  **10.** The functional unit of the nervous system. The cell that receives and distributes nerve impulses.  **13.** The nervous tissue that conducts messages between the brain and the peripheral body parts  **14.** The junction between the axon and dendrite  **16.** The part of the brain containing motor and sensory centers: controls voluntary movement |