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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 |