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The Nervous System

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| **Across**  **3.** Shuttle signals through CNS pathways; most are entirely within CNS  **5.** Bundles of neuron processes in PNS  **8.** Carry impulses from CNS to effectors  **9.** The portion of the nervous system outside CNS  **10.** Transmit impulses from sensory receptors toward CNS  **11.** Processes wrap CNS nerve fibers, forming insulating myelin sheaths thicker nerve fibers  **12.** Bundles of neuron processes in CNS  **14.** Protects and electrically insulates axon Increases speed of nerve impulse transmission  **16.** convey impulses from visceral organs to CNS  **17.** sensory fibers—convey impulses from skin, skeletal muscles, and joints to CNS  **18.** Consist of the brain and spinal cord | **Down**  **1.** Regions of brain and spinal cord with dense collections of myelinated fibers – usually fiber tracts  **2.** excitable cells that transmit electrical signals  **4.** small cells that surround and wrap delicate neurons  **6.** Master controlling and communicating system of body  **7.** Receptive (input) region of neuron  **13.** Surround all peripheral nerve fibers and form myelin sheaths in thicker nerve fibers  **15.** Conducting region of neuron |