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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 |