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Nervous System

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| **Across**  **3.** Help form the myelin sheath of a neuron located in the PNS  **5.** Involuntary Nervous System  **8.** most abundant, 1 axon, several dendrites  **12.** Carry impulses from CNS to effectors  **13.** protects and insulates fibers, increases transmission speed of nerve impulses  **19.** Receive and integrate information and decide on a response, enable communication  **20.** Joins the cell body to a specialized junction  **21.** Short branched projections that transmit electrical signals to cell bodies  **22.** Consists of nerves extending from brain and spinal cord and ganglia  **23.** Group of cell bodies in PNS  **24.** line the ventricles of the brain and serve as a barrier between CSF fluid and nervous tissue  **25.** Bundles of Axon  **26.** Transmit impulses from sensory receptors towards the CNS  **27.** Rare, 1 axon, 1 dendrite, retinal neurons | **Down**  **1.** Star shaped, variety of tasks, controls blood brain barrier located in CNS  **2.** Single axon, sensory neurons  **4.** Groups of cell bodies on CNS  **6.** Produce the myelin sheath insulating neuronal Axons  **7.** Voluntary nervous system  **9.** Do not divide with few exceptions  **10.** Oval cells thorny processes "Health Watchers" in CNS remove damaged neurons  **11.** Master controlling and communicating system of the body  **14.** Consists of brain and spinal cord  **15.** They transmit signals  **16.** Provide structural and functional support fir neurons  **17.** Gap in the myelin, Allow the rapid conduction of nerve impulses  **18.** Surround neuron cell bodies located in the PNS |