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brains structures and functions

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| **Across**  **2.** at which a neurotransmitter causes the receiving cell to stop firing.  **5.**  a branch of life sciences that deals with the structure and function of neurons, nerves, and nervous tissue  **8.** branchlike structures of a neuron that receives message from other neurons.  **10.** part of the nervous system consisting of the brain and spinal cord.  **12.** when a neuron fires completely or does not fire at all.  **14.** process by which the neurotransmitters are taken back into synaptic vesicles.  **15.** the state of the neuron when not firing a neural impulse.  **17.** the cell body of the neuron responsible for maintaining the life of the cell.  **18.** process of molecules moving from areas of high concentration to areas of low concentration.  **19.** saclike structures found inside the synaptic knob containing chemicals.  **20.** a network of cells that carries information to and from all parts of body | **Down**  **1.** chemical found in the synaptic vesicles that, when released, has an effect on the next cell.  **3.** the release of the neural impulse, consisting of a reversal of the electrical charge within the axon.  **4.** microscopic fluid-filled space between the axon terminal of one cell and the dendrites or soma of the next cell.  **6.** enlarged ends of axonal branches of the neuron, specialized for communication between cells.  **7.** is the specialized cell in the nervous system that receives and sends message within that system.  **9.** bundles of axons coated in myelin that travel together through the body.  **11.** synapse at which a neurotransmitter causes the receiving cell to stop firing.  **13.** it's job is to carry messages out to other cells.  **16.** bundles of axons coated in myelin that travel together through the body. d |