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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 |