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Neuroscience Crossword Puzzle

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| **Across****3.** The level of stimulation required to trigger a neural impulse**4.** People who have splitting migraines may have an overproduction of this neurotransmitter**8.** Signals that tell the neuron "FIRE!" (insert happy dance here)**9.** Period after a neuron has fired an impulse; it pauses to recharge itself so it can fire again**10.** Part of a neuron that passes messages away from the cell body to other neurons, muscles, or glands**14.** Type of neurons that control muscles**15.** Undersupply of Acetylcholine (ACh) marks this brain disease**16.** Another name for action potential (the message being sent); a brief electrical charge that travels down an axon**17.** Layer of fatty tissue that insulates the axons of some neurons and helps speed their impulses | **Down****1.** Neurons that carry incoming information from the sense receptors (sight, sound, touch, taste, smell) to the central nervous system**2.** Neurotransmitter that helps control the brain's reward and pleasure center**5.** Neurotransmitter that triggers muscle contraction**6.** Excess dopamine receptor activity is linked to this brain disease**7.** From Legally Blonde: "Exercise gives you \_\_\_\_\_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_ make you happy. Happy people just don't shoot their husbands. They just don't." (Hint- They are the same word)**11.** The sodium-potassium pump moves \_\_\_\_\_\_\_\_ out of the axon**12.** Provides energy for the neuron to carry out its function **13.** The finger-like branches on a neuron that receive messages from other cells  |