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Muscle Activity and the Movement System

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| **Across**  **3.** Nerve and muscles cells maintain a \_\_\_\_\_ between -60 mV and -90 mV  **5.** During a(n) \_\_\_\_\_ muscle contraction, the muscle acts like brake against gravity  **9.** During an action potential, the inside of the neuron develops a \_\_\_\_\_ charge compared to the outside  **11.** Detects muscle force or tension  **14.** This occurs to a muscle after period of disuse  **15.** Motor nerves produce \_\_\_\_\_ impulses for muscle contraction  **16.** \_\_\_\_ provides a binding site for myosin.  **18.** If the antagonist of a muscle prevents full elongation of the agonist, it is called:  **19.** Surrounds the bundle of peripheral nerve fibers  **20.** The epimysium, perimysium, and endomysium conjoin at the end of the muscle to form a \_\_\_. | **Down**  **1.** During an action potential, the inside of the neuron develops a \_\_\_\_\_ charge compared to the outside  **2.** Jake is a construction worker who developed right ulnar neuropathy at the elbow and left median neuropathy at the wrist. He is described as having a(n) \_\_\_\_\_  **4.** When a depolarizing current is transmitted along and axon, it generates a(n) \_\_\_\_\_  **6.** These indentations of myelin sheath allow the nerve impulse travel faster with decreased energy  **7.** Dystonia involves what part of the brain?  **8.** Type 1 muscle fibers contain large numbers of\_\_\_\_\_\_\_\_  **10.** No nerve healing can be expected at this stage of nerve injury and requires surgical intervention for repair  **12.** Sensory nerves utilize \_\_\_\_\_ receptors to provide information on the environment  **13.** Ability of muscles to return to their original resting length after being stretched  **17.** A(n) \_\_\_\_\_ neurotransmitter makes depolarization less likely to occur |