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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 |