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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Muscular System

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| **Across****3.** connective tissue enveloping bundles of muscle fibers**6.** opposite of plantar flexion**8.** cellular respiration using oxygen**15.** heart muscle**17.** acid build up due to oxygen debt**18.** cellular respiration without oxygen**19.** thick myofilament**21.** opposite of inversion**22.** chemical messenger of the nervous system**23.** thin myofilament**24.** palms forward**27.** actin and myosin**28.** muscle type under voluntary control**29.** attachment of muscle that remains relatively fixed during contraction**30.** standing on the balls of the feet | **Down****1.** sheath of fibrous connective tissue**2.** junction between a muscle and a neuron**4.** prime mover**5.** having a uniform tension; of the same tone**7.** neurotransmitted released at the neuromuscular junction**9.** muscle type found in blood vessels**10.** movement away from the midline of the body**11.** palms facing posteriorly**12.** undoes the agonist movement**13.** a structural unit of a myofibril in striated muscle**14.** striped**16.** muscle that assists or enhances movement by agonist**20.** lock jaw**25.** movement toward the midline**26.** the moveable attachment of a muscle |

   actin       myosin       adduction       abducction       plantar flexion       acetylcholine       agonist       lactic acid       eversion       neuromuscular       antagonist       aerobic       anaerobic       striated       skeletal       smooth muscle       synergist       tetanus       supination       pronation       cardiac       origin       insertion       epimysium       perimysium       isotonic       neurotransmitter       myofilaments       sarcomere       dorsiflexion