

B	I	N	G	O
Tropomyosin	ATP	A somatic motor neuron and all the skeletal muscle fibers it stimulates	Due to spinal reflexes and makes muscles ready to respond to stimuli	Sarcomere
Myosin	Chemical Synapse	Thermogenesis	Receptors on Sarcolemma	T-tubules
Troponin	Actin	FREE	Peristalsis	Increased overlapping of contractile filaments
Mitochondria	Sarcoplasmic reticulum	Myoglobin	Release of calcium from Terminal Cisternae	T-tubules
Energize the Myosin heads	Neuromuscular Junction	Elasticity	Binds to Troponin	Acetylcholine

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T-tubules	Binds to Troponin	Sarcomere	Increased overlapping of contractile filaments	Actin
Mitochondria	Thermogenesis	Acetylcholine	Troponin	ATP
Peristalsis	Sarcomere	FREE	Neuromuscular Junction	Muscle used most of its available energy can not contract
Myosin	Chemical Synapse	Due to spinal reflexes and makes muscles ready to respond to stimuli	Recovery	ionic disturbances interfering with calcium release
Receptors on Sarcolemma	Sarcoplasmic reticulum	Calcium	Release of calcium from Terminal Cisternae	A somatic motor neuron and all the skeletal muscle fibers it stimulates

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Myoglobin	Chemical Synapse	Peristalsis	Tropomyosin	Binds to Troponin
oxygen debt/recovery period	ionic disturbances interfering with calcium release	Contractility	Acetylcholine	Sarcomere
Receptors on Sarcolemma	Crossbridge attachments	FREE	ATP	Troponin
Myosin	Calcium	Mitochondria	Due to spinal reflexes and makes muscles ready to respond to stimuli	Actin
Increased overlapping of contractile filaments	Energize the Myosin heads	Release of calcium from Terminal Cisternae	Recovery	Sarcoplasmic reticulum