

Chapter 7- Vocabulary List Honors Anatomy

Functions, Characteristics, Types, and Anatomy of Muscles (pgs. 157-160, 170)

Skeletal muscle	Endomysium	H-zone
Contractility	Sarcoplasm	A-band
Excitability	Myofibril	Troponin
Extensibility	Sarcolemma	Tropomyosin
Elasticity	Myofilaments	G-actin
Epimysium	Actin	T-tubules
Fascia	Myosin	Sarcoplasmic reticulum
Fascicle (fasciculi)	Sarcomeres	Mitochondria
Perimysium	Z-line	
Muscle fibers	I-band	

Nerve Supply and Muscle Contraction (pgs. 160-165)

Motor neurons	Calcium
Neuromuscular junction	G-actin
Motor unit	Troponin
Pre-synaptic membrane	Tropomyosin
Synaptic vesicles	Active binding site
Neurotransmitter	Myosin head
Synaptic cleft	Rod
Post-synaptic membrane	Cross-bridge
T-tubules	Working stroke
Sarcoplasmic reticulum	Adenosine triphosphate

Muscle Twitch, Tetanus, and Skeletal Muscle Anatomy (165-170, 172)

Muscle twitch	Eccentric contraction
Lag phase	Concentric contraction
Contraction phase	Muscle tone
Relaxation phase	Slow-twitch fibers
Summation	Fast-twitch fibers
Recruitment	Myoglobin
Tetanus (Tetanic contraction)	Origin
Aerobic respiration	Insertion
Anaerobic respiration	Agonist
Fatigue (muscle fatigue)	Antagonist
Isometric contraction	Prime mover
Isotonic contraction	Synergists
	Fixators