

Topic/Objectives: 7-1 Structure of a Skeletal Muscle; (1) Identify levels of organization within muscle tissue; (2) Identify the parts of a sarcomere; (3) Describe the anatomy of skeletal muscle	Name:
	Date:
	Period:

Essential Question: What is the structure and function of muscle tissue?

Questions:	Notes: All movements require _____, which are organs that use chemical energy to contract. The three types of muscle in the body are skeletal, _____, and cardiac muscle. Each muscle is an organ, comprised of skeletal muscle tissue, connective tissues, _____ tissue, and blood.
	Connective Tissue Coverings <ul style="list-style-type: none"> ◦ Layers of dense connective tissue, called _____, surround and separate each muscle. ◦ This connective tissue extends beyond the ends of the muscle and gives rise to _____ that are fused to the periosteum of bones. ◦ Sometimes muscles are connected to each other by broad sheets of connective tissue called _____. ◦ The layer of connective tissue around each whole muscle is the _____; the _____ surrounds individual bundles (fascicles) within each muscle; and each muscle cell (fiber) is covered by a connective tissue layer called _____.
Skeletal Muscle Fibers <ul style="list-style-type: none"> ◦ Each _____ fiber is a single, long, cylindrical muscle cell. <ul style="list-style-type: none"> ◦ Beneath the _____ (cell membrane) lies sarcoplasm (cytoplasm) with many mitochondria and nuclei; the sarcoplasm contains myofibrils. ◦ Myofibrils are separated into compartments called _____ that contain thick filaments and thin filaments. <ul style="list-style-type: none"> ◦ Thick filaments or myofibrils are made up of the protein _____. 	

