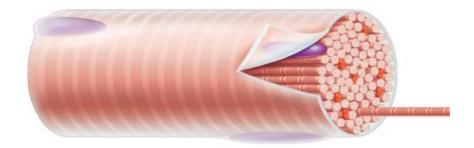
Name:	Class period:	_ Date:
N	Nuscular System Study Guide	
Describe the three main functions of the r 1.	muscular system.	
2 .		
3.		
Name the three types of muscle tissue. 1. 2. 3.		
Compare the structure, function, location skeletal muscle.	, and regulation of contraction	n between cardiac, smooth, and

Define (include type of connective tissue epimysium, fascia, fascicle, and muscle f	e) and label the following parts of a muscle: endomysium, perimysium, liber.
What is the origin and insertion of a muswhen it contracts?	scle? How does the muscle move in relation to the origin and insertion
Define the following skeletal muscular m	novements and provide an example of each.
Flexion:	Plantar flexion:
Extension:	Inversion:
Rotation:	Eversion:
Abduction:	Supination:
Adduction:	Pronation:
Circumduction:	Opposition:
Dorsiflexion:	

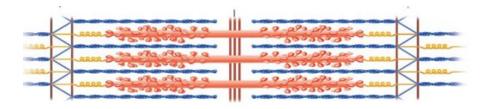
Label and define the following parts of a muscle fiber: sarcolemma, myofibril



Label and define the following parts of a myofibril: sarcoplasmic reticulum, I band, A band, sarcomere, thick filaments, thin filaments.



Label the following parts of a sarcomere: thick filaments (including myosin heads), thin filaments



I bands are composed only of ______ filaments containing the protein _____

A bands are composed of both thin filaments and ______ filaments containing the protein

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
What event is common to all muscle contractions?
Compare and contrast tonic, isotonic, and isometric contractions.

Summarize the steps in the sliding filament theory.