Ivy Tech APHY101 Muscles Part Two: Contractions

1.	What are myofibrils? What surrounds each myofibril and what are myofibrils made
	of?
2.	What are thin and thick myofilaments also known as?
3.	What signal initiates a muscle contraction?
4.	What is the neuromuscular junction?
5.	What is acetylcholine (ACh)? What role does it play in muscle contraction?
6.	What component of the muscle cell carries an action potential deep into the muscle?
7.	What happens when a nerve impulse reaches the <i>sarcoplasmic reticulum</i> of a muscle cell?

8.	What role does calcium ions (Ca+) play in muscle contractions?
9.	What are troponin and tropomyosin?
10.	What happens once a myosin head binds to actin?
11.	What enzyme is essential for the relaxation of muscles following a contraction?
12.	What is a motor unit?
13.	What is the difference between action potentials and graded potentials?
14.	Define temporal summation.
15.	What is tetanus?
16.	What is a twitch?