Name: Bio 137 — Human Anatomy & Physiology I	Section:10 pts
Muscle Physiology Prelab Assignment Due at the start of next week's lab	•
<u>Instructions:</u> View the "Muscular System" module of the InterActive Physiology with your lecture text. This assignment covers the "Contraction of Motor Un of Whole Muscle" topics. Click on each of these topics and answer the releva <u>Note:</u> students lacking the CDs will be able to use them in the open labs or in	its" and "Contraction and questions below.
Topic: Contraction of Motor Units 1. What is a motor unit?	
2. What is meant by recruitment?	
3. Why do some motor units only have a few muscle cells?	
4. The constant state of low level tension in a muscle is called	·
Topic: Contraction of Whole Muscle	
5. A is a contraction due to a single stimulus.	
6. What are the three phases of muscle contraction?	
7 summation occurs when a second contraction.	ction is added to the
8 occurs when stimulation is so rapid that t smooth and continuous without any relaxation.	the contraction is
9. What are the three factors that determine the strength of a muscle contraction?	

10. According to the simulation, **unstretched** / **moderately-stretched** / **overstretched** (circle one) muscles have the strongest contractions.