

## HBS 4.1 and 4.2 Study Guide

### 4.1

1. What are the 3 different types of joints? Explain each.

•

•

•

2. What the 6 examples of synovial joints? Give an example of a joint.

•

•

•

•

•

•

3. What attaches the bones to the bones? \_\_\_\_\_

a. Muscles to bones? \_\_\_\_\_

### 4.2

1. Differentiate the types of muscle tissue.

2. What are the 6 muscles rules?

•

•

•

•

•

•

3. What is a muscle origin? What is an insertion?

4. In order for the cross bridge to form in step two below, what had to occur?

- ATP had to be removed from the myosin head.
- Calcium ions had to enter and bond to the sarcomere.
- The power stroke has to occur prior to the bonding.
- All of these

5. What attaches the femoral head to the tibia?

- Tendon
- Ligament
- Cartilage
- Fascicle

6. What attaches the biceps femoris muscle to the fibula?

- Tendon
- Ligament
- Cartilage
- Fascicle

7. What do cardiac and smooth muscles have in common?

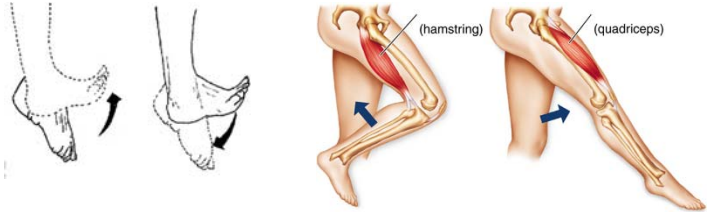
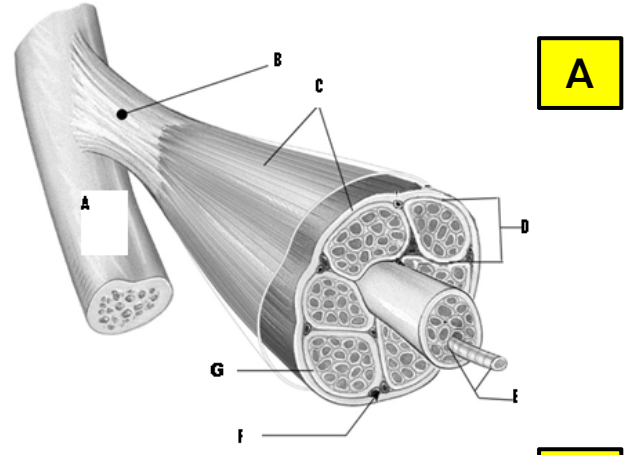
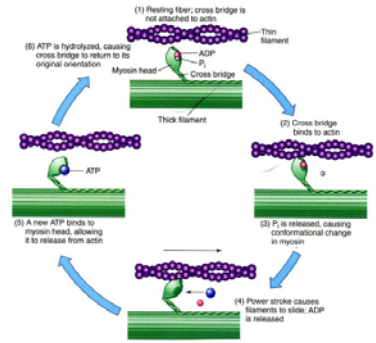
- Both are voluntary
- Both have striations
- Both are involuntary
- Both have the same function

8. What do cardiac and skeletal muscles have in common?

- Both are voluntary
- Both have striations
- Both are involuntary
- Both have the same function

9. Which of these is an example of a pivot joint?

- Elbow
- Shoulder
- Knee
- Top of neck



Label all of diagrams A – F:

