

Name: \_\_\_\_\_

Period: \_\_\_\_\_

## Unit 5 Muscular System Test Review

### Test Review

1. Identify the general functions of the muscular system.
2. Define the four characteristics of muscular tissue:
  - a. irritability (excitability):
  - b. extensibility:
  - c. contractility:
  - d. elasticity:
3. Compare the general location, microscopic appearance, control, and functions of the three kinds of muscle tissue.

Type	Location	Appearance	Control	Functions
Skeletal				
Smooth				
Cardiac				

4. Identify the proteins which compose the thick and thin myofilaments.
5. Describe the sliding-filament theory of muscle contraction.
6. Describe the role of each of the following structures in muscle contraction:
  - a. motor neuron:
  - b. neuromuscular junction:
  - c. motor end plate:
  - d. Ach or Acetylcholine:
  - e. Motor unit

7. Define the following terms:
  - a. origin
  - b. insertion
8. Explain each of the following with regard to muscular contraction.
  - a. prime movers:
  - b. antagonists:
  - c. synergists:
  - d. fixators:
9. Describe the general locations and functions of the following skeletal muscles:
  - a. biceps brachii
  - b. triceps brachii
  - c. sternocleidomastoid
  - d. trapezius
  - e. deltoid
  - f. pectoralis major
  - g. latissimus dorsi
  - h. diaphragm
  - i. gastrocnemius
  - j. hamstrings
  - k. quadriceps
  - l. gluteus maximus
10. Describe diseases or disorders associated with muscles.
  - a. fibromyalgia:
  - b. muscular dystrophy:
  - c. shin splints: