Section 36–2 The Muscular System  Key Concepts  What are the three types of muscle tissue?  How do muscles contract?  Why is exercise important?  Types of Muscle Tissue (pages 926–927)  List the three different types of muscle tissue.	(pages 926–931)
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Types of Muscle Tissue (pages 926–927)	
1 I ist the three different types of muscle tissue	
2. Is the following sentence true or false? Each type of muscle has the	ne same function.
3. Is the following sentence true or false? Skeletal muscles are usual	lly attached to bones.
Civale the letter of each contained that is to the late of the letter of each	-
<ul> <li>Circle the letter of each sentence that is true about skeletal muscles</li> <li>a. They have striations.</li> </ul>	<b>&gt;.</b>
<ul><li>b. Most of them are consciously controlled by the central nervou</li></ul>	s system.
c. Their cells have just one nucleus.	<i>5 5) 5161111</i>
d. Their cells are long and slender.	
5. Circle the letter of each sentence that is true about smooth muscl	e cells.
a. They are spindle-shaped.	
b. They can function without nervous stimulation.	
c. They have two or more nuclei.	•
d. They are connected by gap junctions.	
6. What are three functions of smooth muscles?	
7 T. () ( )	ıys have two nuclei.
7. Is the following sentence true or false? Cardiac muscle cells always	•

Muscle Tissue Type	Striated/Not Striated	What It Controls
Skeletal	Striated	
	Not striated	Involuntary movements
Cardiac		

Name	Class	Date
		***************************************

## Muscle Contraction (page 928)

- 9. Circle the letter of the choice that lists the muscle structures from largest to smallest.
  - a. Myofibrils, filaments, muscle fibers
  - b. Muscle fibers, myofibrils, filaments
  - c. Muscle fibers, filaments, myofibrils
  - **d.** Myofibrils, muscle fibers, filaments

Match each type of muscle filament with the protein it contains.

	type of Filament	Protein It Contains		
	<b>10.</b> thick	a. Actin		
	11. thin	b. Myosin		
12.	The filaments are arranged along the mu	ascle fiber in units called		
	3. Is the following sentence true or false? When a muscle is relaxed, there are only thin			
	filaments in the center of a sarcomere			
14.	How does a muscle contract according to	o the sliding-filament model of muscle		
	contraction?			
15.	The energy for muscle contraction is sup	plied by		
	-	~ *		

## Control of Muscle Contraction (page 929)

**16.** Complete the flowchart to show the missing steps in the stimulation of a muscle cell by a neuron.

Diffusion of acetylcholine across synapse
, and the second
produces
¥
Impulso in members of a state of
Impulse in membrane of muscle cell
causes
<u> </u>
affects
↓
Regulatory proteins
allow
L