Name	Class	Date
	- 10100	2410

Conceptual Biology

Chapter 13: Control and Movement

Skeleton

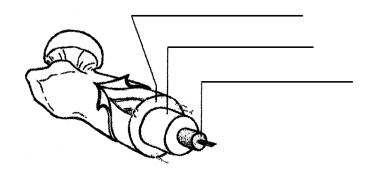
1. List three functions of the skeleton.

2. Label the three layers of bones.

Bone marrow

Compact bone

Spongy bone



3. What is the function of red bone marrow?



Life is what happens to you while you're making other plans.





Name

Class

Date

Conceptual Biology

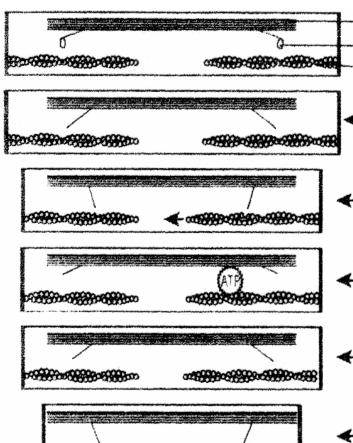
Chapter 13: Control and Movement

Muscle Contraction

1. Muscles work by [lengthening] [shortening].

2. Two kinds of proteins are involved in muscle contraction,

3. Draw the myosin heads (ovals) during muscle contraction in the diagram below.



—Myosin —Myosin head —Actin

Myosin heads bind to actin.

Myosin heads pivot, causing myosin and actin fibers to slide relative to one another and sarcomere to shorten.

←Myosin heads release.

← Myosin heads reattach.

