

# Conceptual Biology

## Chapter 13: Control and Movement

### *Skeleton*

1. List three functions of the skeleton.

Protects the body

Supports the body

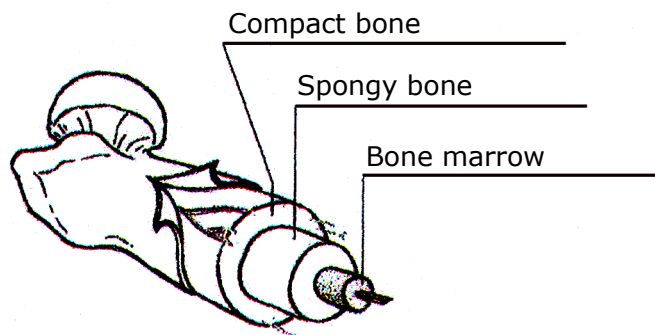
Helps to move the body (along with the muscles)

2. Label the three layers of bones.

Bone marrow

Compact bone

Spongy bone



3. What is the function of red bone marrow?

Red bone marrow makes red and white blood cells.

\_\_\_\_\_

No bones about it!



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#### Muscle Contraction

- Muscles work by [lengthening] [shortening].
- Two kinds of proteins are involved in muscle contraction,  
actin \_\_\_\_\_ and  
myosin \_\_\_\_\_.
- Draw the myosin heads (ovals) during muscle contraction in the diagram below.

