Muscles Worksheet

Overview of Muscle Tissues

All muscle cells are called _____.

The three types of muscle tissue are:

1.

2.

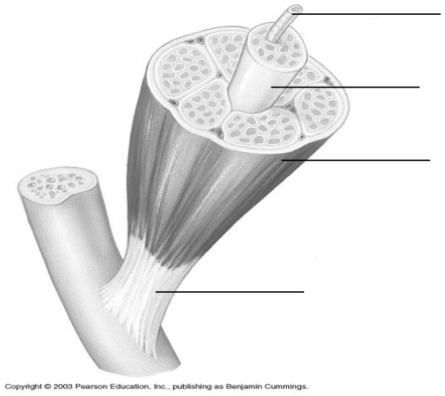
3.

Muscles that move bones are called _____ because they are under conscious control; all other muscle tissue is called _____because it cannot be consciously controlled.

The connective tissue around each muscle fiber is the _____; the layer around each fascicle is the _____, and the layer around the whole muscle is the _____. A _____connects muscle to bone; it is a lot like a _____, which is a broad sheet of connective tissue.

All types of muscle tissue produce movement; skeletal muscle also maintains _____ and stabilizes _____.

Label the diagram.



Microscopic Anatomy of Skeletal Muscle

The plasma membrane of muscle cells is called the _____. The _____, with alternating A and I bands, make the cells look striated. The contractile units are called _____. The threadlike proteins that cause contraction are the thick, or _____ filaments and the thin, or _____ filaments. The _____ _____ is specialized endoplasmic reticulum; its role is to store and release _____ to trigger contraction.