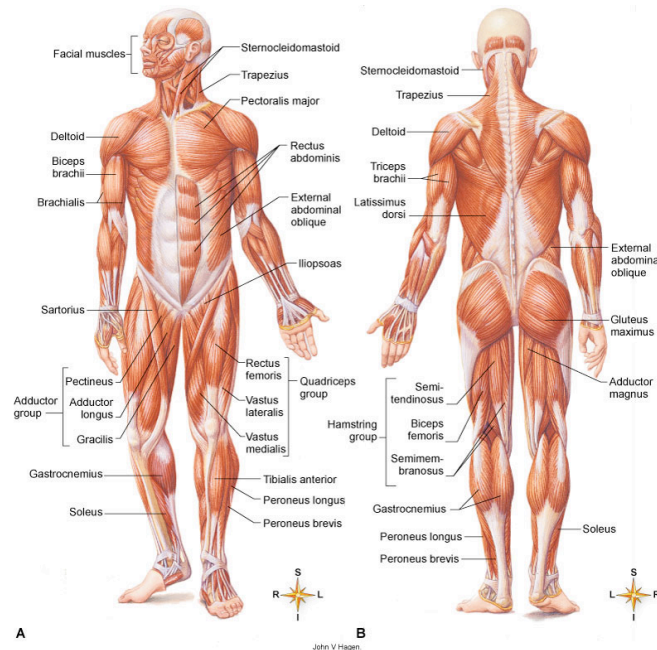


# Muscular System

Muscle cells are a unique type of cell in the human body due to their unique properties. They are the only cells in the body that are able to contract and relax. In addition, muscle cells along with neurons of the nervous system are the only type of cells that are excitable and are capable of communicating with other cells through an electrical impulse that passes from one cell to another.



- Title your project **MUSCULAR SYSTEM**
- ***Include a picture of the muscular system.***
- List the functions of muscles and the muscular system.
- Completely describe each type of muscle cell and where they are located in the body. In the description be sure to include the number of nuclei, voluntary vs. involuntary and if each is branched and/or striated.
- ***Include a picture of all three types of muscle cells.***
- Differentiate between isometric and isotonic contractions and give a simple example of each.
- Briefly describe the motor unit and the neurotransmitter that is released causing the muscle to contract.
- ***Include a picture of a motor unit.***
- We learned about three ways the body can generate ATP. Choose one and completely describe it. Be sure to include how many ATP's form and if oxygen is needed.
- Describe muscle fatigue and how it can be reversed.

Info: <http://www.helium.com/items/1936244-the-structure-and-function-of-muscle-cells>  
Pic: N.p., n.d. Web. 4 Nov. 2015. <<http://mriclassroom.weebly.com/midterm-review.html>>.