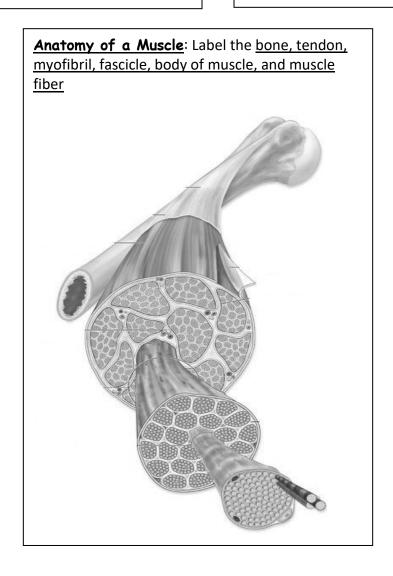
Tour Through the Muscular System Lab Sheet:

Muscular System
There are roughly muscles in the human body.
Muscles Are:
Needed for
Needed to
Needed to
Needed to
Needed to

3 Types of Muscle: Identify each of the types of muscle tissue below: Nucleus Nucleus Nucleus Nuclei

<u>Skele</u>	tal Muscle Tissue:	
4	Moves your	
4	Voluntary ()
4	Over	in your body
4	Long cells with	
	(along edges of cell)	
4	Stripes called	_ in cell
4	Explain how to identify this muscle tiss	ue under a microscope:

Smooth Muscle Tissue:		
4	Muscles of the	
4	Involuntary (
4	Contract and	
4	Usually per cell.	
4	No	
4	Explain how to identify this muscle	
	tissue under a microscope:	

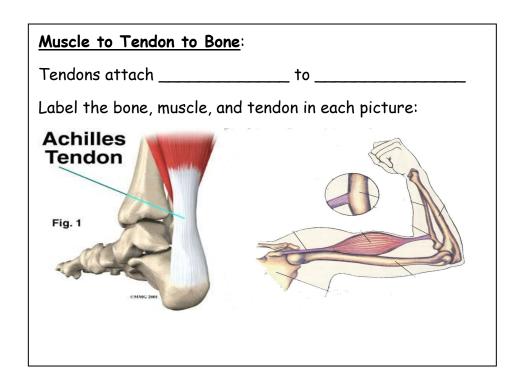


How a Muscle Works: A skeletal muscle works by Each muscle cell is made up of many smaller The _____ are in contact with a _____ Myofibrils are made of two proteins, ____ and ____ The ____ and ____ past _____ causing the muscle to _____. Explain, in your own words how muscles contract through actin and

myosin filaments sliding past each

other:

Oppos	sites Contact and Relax:
4	Muscles work in pairs called
4	The biceps muscle will
	() the arm at the elbow = and the
	triceps muscle will
	() the arm =
4	While one muscle in the pair
	the other must
	·
4	The other opposing groups moves your
	limbs (like arms and legs)
	or the
4	The deltoid muscle will move the arm
	the body=
	muscle, and the
	latissimus dorsi will move the arm
	the body=
	muscle.



Using the muscle diagrams in the muscle system tour, identify and label the following muscles. Use this word bank of muscles to help you:

Gluteus maximus

Latissimus dorsi

Pectoralis major

Gastrocnemius

Triceps

Brachioradialis

Deltoid

Biceps

Exterior oblique

Gluteus medius

