The Muscular System



## **Overview of Structures, Combining Forms, and Functions**



## **Major Structures**





#### Primary Functions

- Make
- -Hold
- -Move
- Produce

Related Combining Forms

# **Types of Muscle Tissue**













#### Located only in the walls of the \_\_\_\_\_

Also known as \_\_\_\_\_ muscle or the

Function is to make the \_\_\_\_\_

# **Play this video**

#### https://www.youtube.com/watch?v=raGl8bL kaAw&list=WL&index=2

#### Primary Functions

Related Combining Form



## Related Combining Forms





# Flat fibrous sheet of connective tissue, like tendons

Connect muscle to bones and muscle to other tissues



	– movement	the
	of the body	
-	_ muscles move a part _	the
midline		





muscle a muscle that \_\_\_\_\_
 a body part



 Rotator Cuff muscles that holds the head of the humerus securely in place as it rotates within the shoulder joint

is the act of rotating the arm
 or the leg so that the palm of the hand and
 sole of the feet is turned forward or upward
 \*like holding a bowl of soup

\_\_\_\_\_ – is the act of rotating the arm or leg so that the palm of the hand or sole of the foot is turned downward or backward

## \_\_\_\_\_ – bends the \_\_\_\_\_\_ \_\_\_\_ at the ankle

Brings your toes towards your shin

\_\_\_\_\_ – bends the \_\_\_ \_at the ankle

Pointing your toes

## Anatomy motion explained video

https://www.youtube.com/watch?v=13\_Nq4 QgALs&list=WL&index=4

# **Key Word Parts**

- bi two
- -cele hernia, tumor, swelling
- -desis surgical fixation (of bone or joint) -ia – disease condition of
- -ic pertaining to; relating to
- Kinesi motion, movement
- -lysis breakdown, loosening, destruction

# **Key Word Parts**

my; myo --muscle
-plegia -- paralysis
-rrhexis -- rupture
tax / o
ten; tend; tendin -- tendon
ton / o
tri-three





#### \_\_\_\_\_and \_

- sternocleidomastoid
- Muscles named for their \_\_\_\_
  - Flexor carpi muscles (wrist)
- Muscles named for their \_\_\_\_\_
  - Pectoralis major

#### Muscles named for their \_



constricts the opening of a

#### Muscles named for number of \_



### Muscles are named for their \_\_\_\_

- Named because they are broad, narrow, large, or small
- Ex. Gluteus maximus

### Muscles are named for their \_\_\_\_

- Named because they are shaped like a familiar object.
  - Ex. Deltoid Muscle shaped like an inverted triangle or Greek letter delta

- Page 70 write the specialists in your notes(5)
- Page 77 add the Career Opportunities in the green box to the specialists list