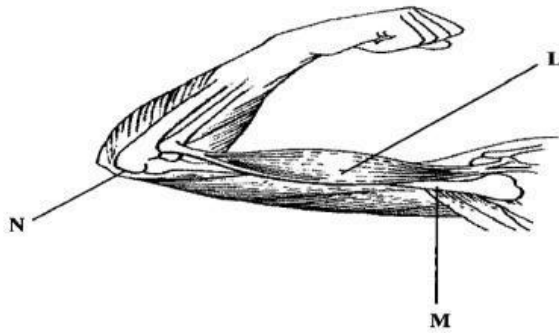


The diagram represents some of the bones and muscles in the human arm



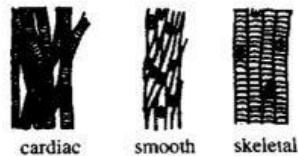
1. Name the **muscles** labelled L, the **bone** labelled M and the type of joint labelled N (3)

a. Muscle L _____

b. Bone M _____

c. Joint N _____

2. The diagram shows the three types of muscles found in the body. (3)



I. Name an organ in the body that is made of cardiac muscle. _____

II. Which of these types of muscles is the stomach made of? _____

III. Name the tissue that attaches muscle to bone. _____

3. When the arm is bent, what action would be carried out by bicep muscle and triceps muscle? (2)

a. Bicep muscle _____

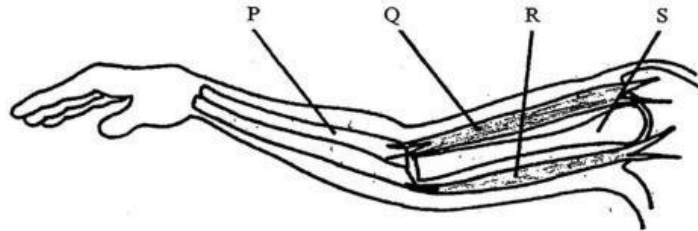
b. Triceps muscle _____

4. Muscle X is said to be a voluntary muscle. What does this mean? (1)

Section two: Muscular System Multiple Choice

1. Involuntary muscles are responsible for bring about which of these actions?
 - a. Dribbling a basketball with your left hand
 - b. Moving food through your digestive system
 - c. Raising your hand to answer a question in class
 - d. Tying your shoelaces.
2. Muscles that work as opposite pairs to move bones are called. _____
 - a. Antagonistic muscles
 - b. Artistic muscles
 - c. Egotistic muscles
 - d. Protagonistic muscles
3. When the biceps muscles contracts, which one of the following muscles would relax?
 - a. Diaphragm muscle
 - b. Intercostal muscle
 - c. Pectoral muscle
 - d. Triceps muscle
4. The muscles in the stomach and the heart are both different from the muscles in the thigh (or upper leg) what is the main difference?
 - a. The thigh muscles are smaller than the heart and stomach muscles
 - b. The heart and stomach muscles are cardiac muscles and thigh muscle are not
 - c. The thigh muscle are voluntary muscle and the heart and stomach are not
 - d. The heart and the stomach muscles are skeletal muscles and the thigh muscle are not.
5. Where in the human body is cardiac muscle found?
 - a. Heart
 - b. Lower leg
 - c. Stomach
 - d. Upper arm
6. Which of these actions would be brought about by voluntary, skeletal muscles?
 - a. Crying at a very sad movie
 - b. Doing jumping jacks in PE class
 - c. Sneezing because of chalk dust in you classroom
 - d. Swallowing a mouthful of food during lunchtime
7. Which of the following is a true statement about cardiac muscle?
 - a. It contracts and relaxes to cause air to go in and out of the lungs

- b. It contracts and relaxes to bring about heartbeat
 - c. It contracts and relaxes to bend and straighten the leg at the knee
 - d. It contracts and relaxes to move through the small intestine.
8. Which letter on the diagram, of the arm, represents the biceps muscle?

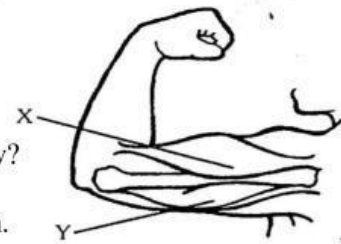


- a. P
- b. Q
- c. R
- d. S

9. Which row in the table gives the correct information about muscles in the body?

A	Biceps muscle	Straighten the arm at the elbow
B	Cardiac muscle	Moves food through the intestine
C	Diaphragm muscle	Causes air to enter the lungs
D	Triceps muscle	Bend the arm at the elbow

The diagram shows the muscles and bone in the upper arm.



10. What must happen in order to straighten the arm at the elbow?

- a. Muscle X must contract and push the lower arm down.
- b. Muscle X must relax and pull the lower arm down.
- c. Muscle Y must contract and pull the lower arm down.
- d. Muscle Y relax and pull the lower arm down.