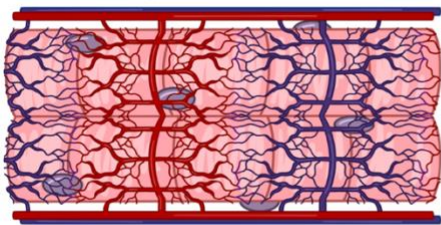
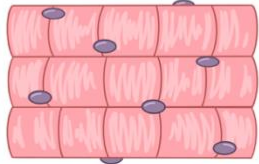
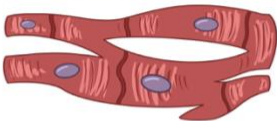
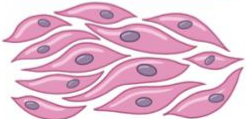
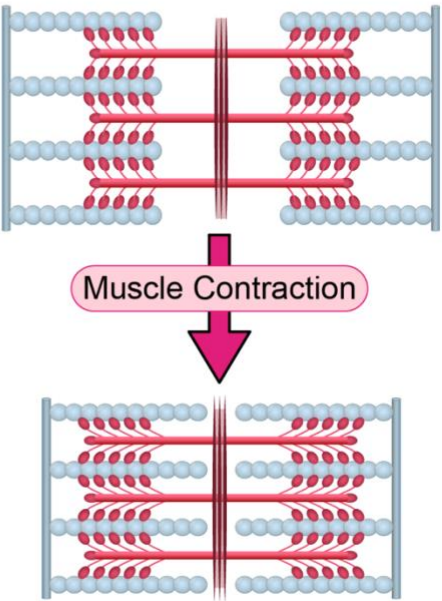


TOPIC: INTRODUCTION TO MUSCLE TISSUE

- **Muscle Tissue:** specialized for *contraction* & primary function is to produce _____.
- **Myocytes** (Muscle _____): muscle cells using ATP to generate contraction force ("Myo" = muscle).

Muscle Tissue Common Features		
① _____ Vascularized	② _____ Packed Cells	③ Contain _____ Filaments (Myofilaments)
<p>Provides nutrients & oxygen. Eliminates wastes.</p> <p>Blood Vessels</p> 	<p>Creates more contractile force.</p> <p>Skeletal Muscle</p>  <p>Cardiac Muscle</p>  <p>Smooth Muscle</p> 	<p>Allow muscle contraction.</p> 

PRACTICE: Why is it important for muscle tissue to be well-vascularized?

- a) Muscles require nutrients.
- a) Muscles requires a lot of oxygen.
- b) Muscles produce a lot of waste product.
- c) All of these.

PRACTICE: Which of the following biological molecules provides energy for muscles to carry out their function?

- a) Phospholipids.
- b) DNA.
- c) ATP.
- d) RNA.