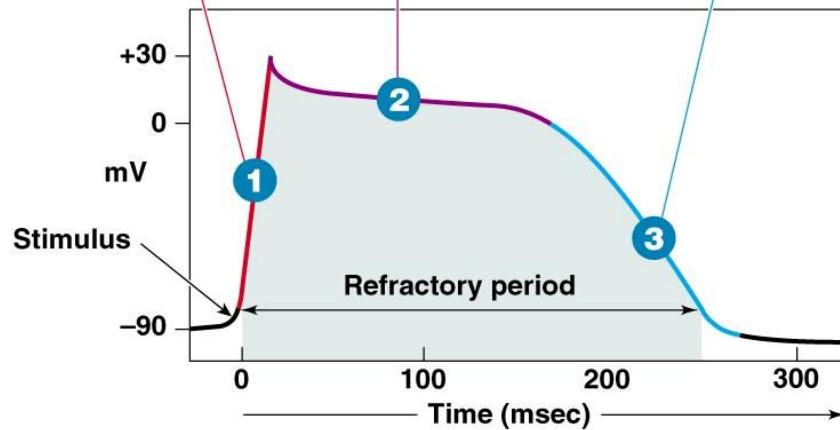


Action Potentials and Muscle Contraction in Cardiac and Skeletal Muscle

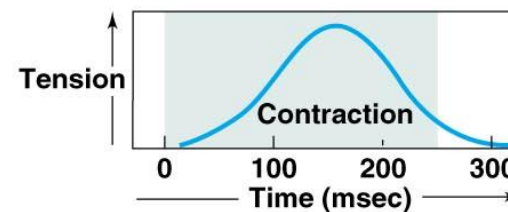
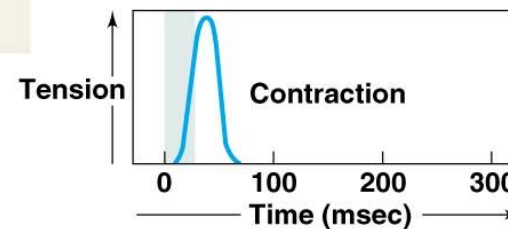
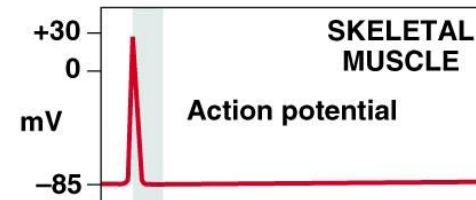
1 Rapid Depolarization
 Cause: Na^+ entry
 Duration: 3–5 msec
 Ends with: Closure of voltage-regulated sodium channels

2 The Plateau
 Cause: Ca^{2+} entry
 Duration: ~175 msec
 Ends with: Closure of calcium channels

3 Repolarization
 Cause: K^+ loss
 Duration: 75 msec
 Ends with: Closure of potassium channels



(a) Cardiac muscle



(b)