3 Main Types of Motion:

1) Translational Motion
   a) Linear Motion (Straight Line Motion – moving in 1 direction)

   b) Projectile Motion (Arc’ed Motion - bullet, football, softball,...)

2) Rotational Motion
   a) Circular Motion (fan blades, orbits)

   b) Non-Circular Motion (swinging a ball on an elastic string)

3) Periodic Motion
   a) Oscillations (pendulum swinging, waves, rocking chair)

   b) Vibrations (shocks, springs)