

How An Object Will Change Speed or Direction

- Speed - the rate at which an object covers distance
 - forces acting on object will help to determine speed
- Acceleration - the rate of change of velocity over time
 - depends on the amount of force exerted on object
- Velocity - the rate at which an object covers distance in reference to direction
 - objects can change direction with unbalanced forces acting on the side of a moving object relative to friction acting on it
- Friction - the force resisting the relative motion of materials along a medium
 - Static friction - a force that keeps an object at rest
 - Dynamic friction - a force that acts between moving objects along a medium

