



















- An object will have greater acceleration if a greater force is applied to it.
- If the same force is applied to 2 objects and the mass of the objects is different, the object with more mass will have a <u>smaller</u> acceleration.





Section 2.1: Describing Motion

- A reference point is location chosen to describe where an object is located.
 - Examples are the a cross street, a start line, the origin on the Cartesian coordinate system, the Sun.
- <u>motion</u> occurs when an object changes its position relative to its reference point





Constant Speed

- If you are moving at the same speed for a period of time your speed is considered to be <u>constant</u>.
- Usually speed is not constant.

Average Speed

- Average speed is the speed you would have to travel constantly to go the same distance as an object speeding up and slowing down
 - Think of the Tortes and the Hare

Average speed

- the total distance traveled divided by the total time of travel























