

Name: _____

Date: _____

Speed, Velocity, and Acceleration

- Average speed equals:
 - Distance/ Time
 - Time/ Distance
 - Distance + Time
- What information is required in order to measure speed?
 - time and distance
 - velocity and time
 - distance and velocity
 - momentum and time
- Acceleration refers to
 - increasing speed
 - decreasing speed
 - changing direction
 - all of the above
- What does a car's speedometer measure?
 - Speed
 - Velocity
 - Both
- Calculate the average speed of a bicycle that travels 300m in 20 s.
- Velocity is the:
 - measure of time and distance
 - measure of space and time
 - measure of speed that is constant
 - measure of speed in a certain direction
- This describes how far an object moves during a certain amount of time.
 - velocity
 - magnitude
 - average speed
- An object will not change its velocity if a force acts upon it.
 - True
 - False
- The slope of a distance-time graph correlates to:
 - acceleration
 - time
 - distance
 - velocity
- If you speed up from rest to 12 m/s in 3 seconds, what is your acceleration?
 - 4m
 - 4 m/s/s
 - 36 m
 - 36 m /s/