

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/