

Pre-unit Notes for Motion in 1 Dimension

- Delta (Δ)
- Constant
- One Dimension
- Frame of Reference
- Displacement
- Average Velocity
- Instantaneous Velocity
- Acceleration
- Free Fall

Label the following variables:

X_f

V_f

a

X_i

V_i

t

Questions:

1. Describe the concept of a moving object.
2. If you accelerate a car while driving, is it changing speed?
3. Identify two objects that travel at a constant speed and two objects that travel at a variable speed.
4. If an object travels at 20 m/s how far will the object travel in 10 minutes?