

MP Notes

Distance - $D = \frac{1}{2} \times (A)(T)^2$

(Distance equals, one-half times acceleration, 9.8 meters/second², multiplied by time squared).

All of this is called - physics

Formula:

$$\frac{D}{T} = \text{Speed}$$

(Speed equals distance divided by time)

Acceleration: The rate of change of an object's velocity

$$\frac{V_f - V_i}{T} = A$$

(Acceleration equals final velocity minus initial velocity divided by time)

(Gravity's acceleration for an object without air resistance is 9.8 meters/second²)