

UNITS

Mass	kg	kilogram	
Distance	m	meter	
Force	N	Newton	$\frac{kg \cdot m}{s^2}$
Energy, work	J	Joule	N·m $\frac{kg \cdot m^2}{s^2}$
Power	W	Watt	$\frac{J}{s}$ $\frac{kg \cdot m^2}{s^3}$
Time	s	seconds	
	h	hours	

EQUATIONS

Velocity	$v = \frac{d}{t}$
Acceleration	$a = \frac{\Delta v}{t}$
Distance of falling object	$d = \frac{1}{2}at^2$
Force	$F = m \cdot a$
Momentum	$m \cdot v$
Impulse	$Ft = \Delta m \cdot v$
Gravitational potential energy	$E_p = mgh$
Kinetic Energy	$E_k = \frac{1}{2}mv^2$
Work	ΔE_k
Power	$P = \frac{E}{t}$