

Chapter 15 Energy

Physics Equation Sheet

TOPIC	EQUATION	VARIABLE	UNIT
Potential Energy	$PE = mgh$	PE = Potential Energy	J
	$m = \frac{PE}{gh}$	m = mass	Kg *
			has to be these units
	$h = \frac{PE}{mg}$	h = height	m *
**	$g = 9.8 \text{ m/s}^2$	g = gravity	m/s^2
	(unless otherwise stated)		
Kinetic Energy	$KE = \frac{1}{2}mv^2$	KE = Kinetic Energy	J
	$m = \frac{2KE}{v^2}$	m = mass	Kg *
	$v = \sqrt{\frac{2KE}{m}}$	v = velocity	m/s^*