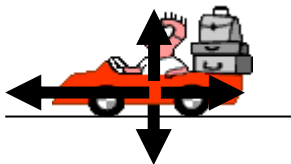



Energy is measured in ...	Work is measured in ...	Weight is measured in ...	Force is measured in ...
joules J	joules J	newtons N	newtons N
Power is measured in $J s^{-1}$ or in ...	(power) $P = E / t$ Quantities are....	$W = F d$ Quantities are....	$E_K = \frac{1}{2} m v^2$ Quantities are....
watts W	P in W E in J t in s	Work, W in J F in N d in m	E in J m in kg v in ms^{-1}
$E_p = m g h$ Quantities are....	$v = \frac{\Delta d}{\Delta t}$ Quantities are....	$a = \frac{\Delta v}{\Delta t}$ Quantities are....	$F_{net} = ma$ Quantities are....
m in kg $g = 10 ms^{-2}$ h in m	V in ms^{-1} d in m t in s	a in ms^{-2} speed in ms^{-1} time in s	F in N m in kg a in ms^{-2}
$F_{gravity} = mg$ (weight force) Quantities are....	$g = 10 ms^{-2}$ g is ...	$g = 10 N kg^{-1}$ g is ...	F_{net} means...
F in N m in kg g is $10 ms^{-2}$	acceleration due to gravity	the force per kg of mass	net/overall force

To turn kJ into J Or kW into W	To turn ms^{-1} into km h^{-1}	To turn km h^{-1} into ms^{-1}	An "acceleration" of -4 ms^{-2} means the object is actually ...
multiply $\times 1000$	$\times 3.6$	$\div 3.6$	decelerating
In a distance-time graph the gradient of the line gives you the...	In a distance-time graph a horizontal line means...	In a distance-time graph the steeper the gradient of the line, the...	Rise \div run is used to calculate the of a line
speed	object is stopped / stationary	greater the speed	gradient
In a speed-time graph the gradient of the line gives you the...	In a speed-time graph a horizontal line means...	In a speed-time graph the steeper the gradient of the line, the...	In a speed-time graph, the area under the graph equals...
acceleration	object travelling at constant speed	greater the acceleration	distance travelled
The work done lifting an object is equal to the that it gains	A rock falls off a cliff - just before it hits the ground all the E_p it had is converted into ...		
E_p	E_k $= m g h = \frac{1}{2} m v^2$	reaction thrust drag weight	(drag = weight) slower terminal velocity

Formula for calculating pressure	Units for pressure, where F is in N and A is in m ²	$F_w = mg$ Quantities are....	To turn J into kJ Or W into kW
$P = F / A$	$N\ m^{-2}$	F in N m in kg g is $10\ ms^{-2}$	divide by 1000
(pressure) $P = F / A$ Quantities are....	(power) $P = W / t$ Quantities are....	Power is measured in watts or....	amount of material (matter) in an object is its...
P in $N\ m^{-2}$, F in N and A in m ²	P in W W in J t in s	$J\ s^{-1}$	mass
E_k is ___ energy	E_p is ___ energy	$\Delta E_p = mg\Delta h$, or $a = \frac{\Delta v}{\Delta t}$ the Δ means....	the gravitational force on an object is its....
kinetic	gravitational potential	change in....	weight
			