

# Energy Equations

Note Title

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NAME	SYMBOL	DESCRIPTION	EQUATION
Kinetic Energy	KE	Energy in Movement.	$KE = \frac{1}{2} m v^2$
Gravitational Potential Energy	PE <sub>g</sub>	Stored energy from gravity	$PE_g = m g h$
Elastic Potential Energy	PE <sub>s</sub>	Stored energy from a spring	$PE_s = \frac{1}{2} k x^2$
HEAT	Q	Energy lost from friction between two surfaces	$Q = F_f \cdot d$
WORK	W	Energy added into an existing system	$W = \Delta E$