

Key

Energy Types

Symbol	Energy Type	Definition	Examples:
E_p	Potential	Energy derived from position – ability to fall due to gravity aka. Gravitational Potential $E_p = mgh$	Rock at the top of a cliff Basketball at the top of its arc during a shot
E_k	Kinetic	Energy of motion $E_k = \frac{1}{2}mv^2$	A racing car accelerating The movement of air from a fan
E_n	Nuclear	The energy in the nucleus of an atom	Sun (Fusion) Atomic Weapons (Fission)
E_{th}	Thermal	The energy of heat	Boiling water Blow Drier
E_{ch}	Chemical	The energy in the bonds of chemical compounds	Gasoline, coal, oil Food
E_{el}	elastic	Energy stored in the stretch of material	A stretched spring A pulled rubber band
E_{em}	Electromagnetic	Energy resulting from either electricity or magnetism Results from the flow of electrons	Batteries, Magnets Light
E_s	Sound	Energy from the movement of air (sound)	Rock band explosion