

ENERGY TRANSFORMATIONS

from ↓ to →	mechanical	gravitational	elastic	heat	electric & magnetic	electromagnetic radiation	chemical	nuclear
mechanical								
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elastic								
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Identify a device, phenomenon, process, or event whereby one form of energy is transformed into another.

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mechanical	gears, elastic collisions	lob, pop fly, pendulum	inflating a balloon, wishbone	brakes, inelastic collisions	generator, microphone	x-ray tube, flint		
gravitational	free fall, rivers, pendulum	one period of a pendulum or satellite orbit	trampoline, pogo stick	contraction of a protostar	hydroelectricity			formation of a neutron star
elastic	wishbone, wristwatch, bow & arrow	trampoline, pogo stick, toaster	newton's balls	bicycle pump, refrigerator compressor	piezoelectric effect	piezoluminescence		
heat	radiometer, ocean currents, wind, heat engines	popcorn, convection, hot air balloon	bimetallic strip, contracted rubber band		thermoelectric effect, thermionic emission	incandescence, red hot objects	cold packs, endothermic reactions	
electric & magnetic	thunder, motor, loudspeaker	elevator	electrostriction, magnetostriction	electric heater, toaster	transformer	LED, radio transmitter, light bulb	rechargeable batteries, electrolysis, electroplating	
electro- magnetic radiation	photoelectric effect	microwave popcorn		microave oven, solar collector	electric eye, solar cell	fluorescence	photosynthesis, photography, sunburn	
chemical	dynamite, muscle action	rocket	airbags	hot packs, combustion, exothermic reactions	fuel cells, batteries	fireflies, glow sticks, luminescence	glycolysis	
nuclear	fission, radioactive decay	nuclear propulsion		nuclear pile	nuclear power plant	stars		breeder reactor

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