The ability to do work (moving)	Energy
electric mixer transformation	Electrical to Mechanical to Kinetic
Electric power plant	a place where energy changes forms to produce electricity
Electricity can be changed into the following forms of energy...	sound, thermal (heat), light, mechanical
Energy Transformation (Conversion)	When energy changes from one form to another
Energy transformation in a power plant	chemical to thermal to mechanical, to electrical
Examples of fossil fuels	coal, oil, natural gas
Examples of Renewable Energy	Solar (sun), water (hydroelectric), wind, biomass, geothermal
flashlight transformation	chemical to electrical to light
Give examples of Kinetic energy	-answers may vary (moving water, wind, heat energy, a car rolling down a hill, a turbine in a dam, kicking a ball, running

Give examples of Potential energy	- answers may vary (an unlit candle, standing on the top a hill waiting to go down, fossil fuels, a stretch rubber band, an appliance that is turned off.
Is nuclear energy renewable or nonrenewable?	nonrenewable
Kinetic Energy	Energy of motion
lawnmower transformation	chemical to mechanical to kinetic
Name three advantages of renewable energy	1. clean 2. renewable 3. available
Name three disadvantages of nonrenewable energy	1. can pollute 2. takes millions of years to form 3. dangerous to the environment
nuclear fission	splitting of an uranium atom - happens in a nuclear power plant
nuclear fusion	bonding of atoms- happens on the sun
Potential Energy	Energy that is stored.
Renewable Energy	Types of energy that can be reused

toaster transformation	electrical to thermal (heat)
When do you have the most kinetic energy on a trampoline?	1. When you are about to touch the trampoline on your way down.
When do you have the most potential energy on a trampoline?	1. at the top of your jump 2. when it is stretched out the most