

Name _____ **key** _____ Date _____

TRANSFER OF ENERGY

Energy can change from one form to another. We commonly change energy from one form to another as we use it. Match each term in the word box to its description. Some terms are used more than once.

radiant	chemical	electrical	thermal
mechanical	sound	nuclear	

- _____ **sound** _____ When you shout at a friend, you are changing mechanical energy into this form.
- _____ **nuclear** _____ At a power plant nearby, matter is changed into energy to produce this form of energy.
- _____ **electrical** _____ Energy leaves a power plant in the form of this kind of energy.
- _____ **radiant** _____ Plug a lamp into an electrical socket and you turn electrical energy into this form of energy.
- _____ **chemical** _____ Radiant energy from the sun is turned into this form when plants undergo photosynthesis.
- _____ **thermal** _____ As plants decompose, their chemical energy may become stored as coal or natural gas. These chemical energy sources can be turned into this form of energy as they are burned at a power plant.
- _____ **mechanical** _____ As fuel is burned at a power plant, the energy released turns a turbine, whose movement is an example of this kind of energy.
- _____ **chemical** _____ Eating a healthy breakfast provides this form of energy, which is turned into mechanical and thermal energy as you play, study, and move.
- _____ **mechanical** _____ Plug in a fan to a source of electrical energy. The electrical energy is transformed into this form to move the fan blades.
- _____ **thermal** _____ When you set food under a heat lamp to warm it, you are changing radiant energy into this form.
- _____ **electrical** _____ When you turn on a CD player, you are using this form of energy to produce sound energy.