

MIXTURE: 2 or more things mixed together

- easily separated b/c keeps properties
ex. Tomatoes off the salad

→ Solution: A type of mixture that is evenly mixed

because one dissolves into another.

• Has property - solubility

ex. Salt + water → ocean water

beaker



sand + nails

Forms of Energy (MELTS)



Mechanical = (Kinetic Energy + Potential Energy)
motion position

moving parts

ex. Spinning Turbine
Riding a bike
pencil sharpener

Electrical

- electrons moving in a circuit (switch-outlet) ex. Anything that plugs in.

Light

- Energy we see (solar) [emit light] ex. Sun, flashlight, lightbulb, firefly

Thermal

- heat (hot) transfer, temperature change ex. oven, stove, friction

Sound

- Air vibrations we hear ex. voices, speakers, drums

Energy Transformations



Toaster: Electrical → Thermal → Sound