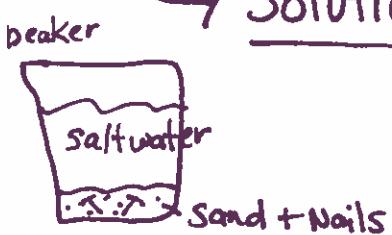


MIXTURE: 2 or more things mixed together

- 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

Forms of Energy (CME LTS)

$$\text{Mechanical Energy} = (\text{Kinetic Energy} + \text{Potential Energy})$$

motion position

moving parts

Potential Energy)
position

ex. Spinning Turbine
Riding a bike
pencil sharpener

ex. Anything that plugs in.

Electrical

- electrons moving in a circuit (switch-outlet)

ex Sun, flashlight
lightbulb, firefly

ight

- Energy we see (solar)
[emit light]

ex. oven, stove,
friction

Thermal

- heat (hot) transfer,
temperature change

ex. voices, speakers, drums

Sound - Air Vibrations
Energy Transformations



Toaster: Electrical \rightarrow Thermal \rightarrow Sound