

# Transformation of Energy

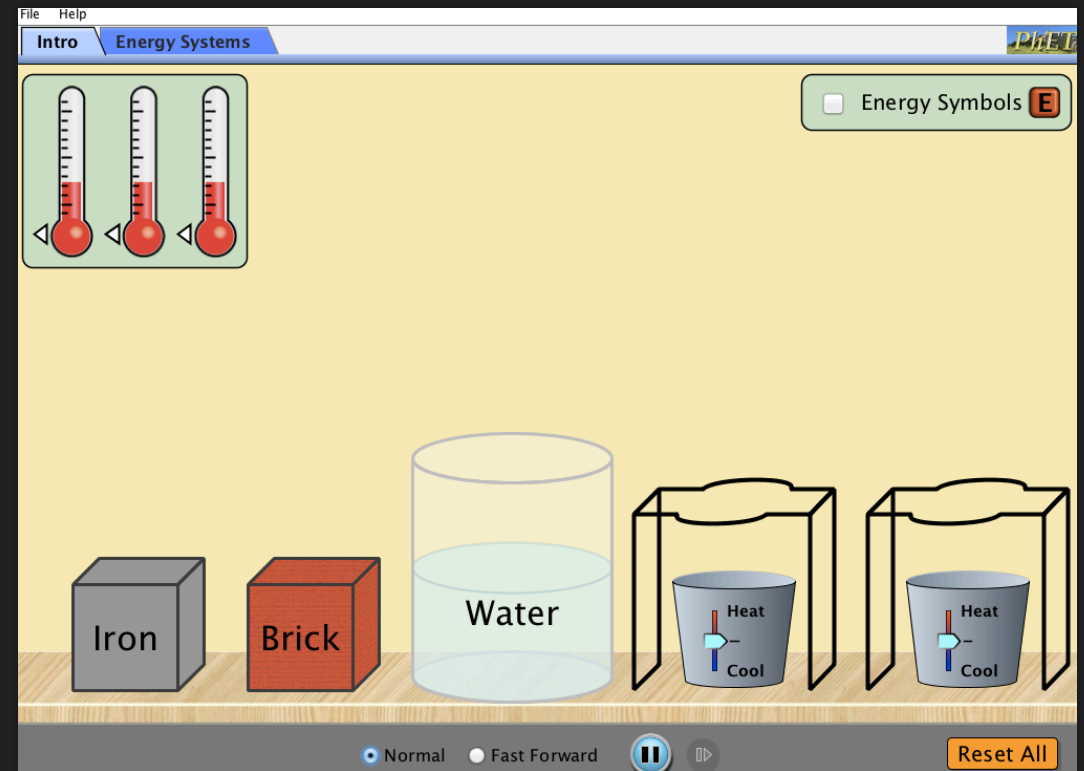
And the Law of Conservation of Energy

# Steps for Phet Simulation

- **Go to <http://phet.Colorado.edu>**
- **Click on “Play with sims” button**
- **Click on the physics tab on the left hand side**
- **Find sim label “Energy Forms and Changes”**
- **Click Download**

# Explore the Sim

- Click on the “Energy Symbol” on the top right corner.
  - What do you see? What does this represent?
- See what happens when placing the iron or brick onto the platform. Heat or cool the object and place it in the water container.
  - What happens to the energy?
  - What can we use to measure the temperature?



# Make your own system

- Click on the “Energy Systems” tab and create your own system
- Students will share how the energy is transferred from one object to another

# Card sorts

- Card sort 1: Categorize the pictures with the type of energy
- Card sort 2: Match the energy transformation with scenario given

# Quiz Time!

- Complete the assessment given as an exit ticket!