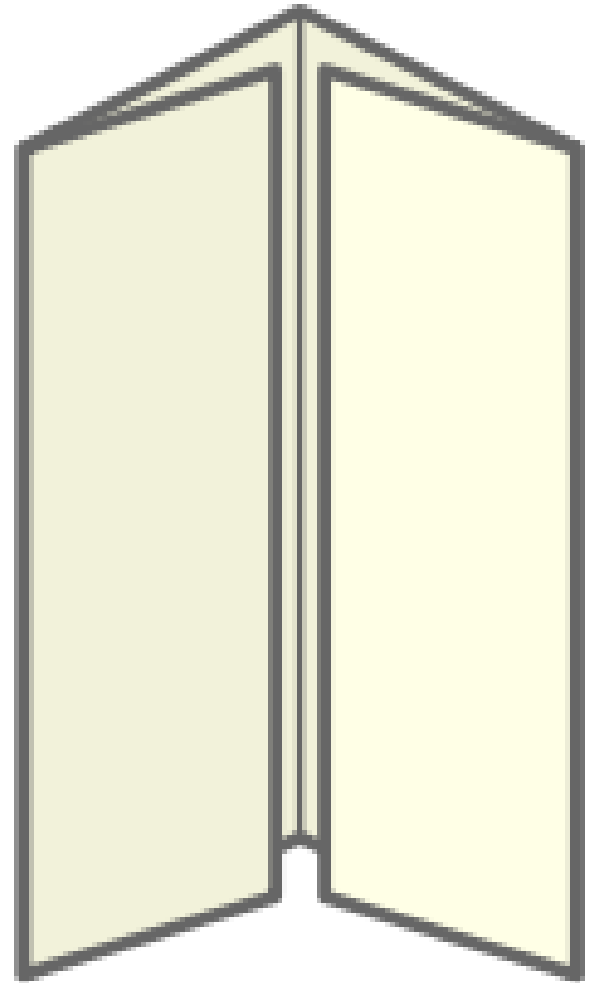


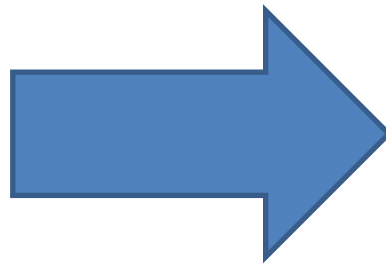
Energy Transformations

- Fold your paper in half. Then open it up and lay it flat.
- Take the **left** edge of the paper and line it up to the middle crease in the paper. Then crease the paper.
- Now, do the same from the **right** edge of the paper.
- Lay the paper flat on the table, and cut **ONLY** on the dotted lines.
- Now, draw a picture of the type of energy transformation on the inside **right** of the foldable and write the description on the **left**.



Potential → Kinetic

- Stored energy
- Dealing with an object's position



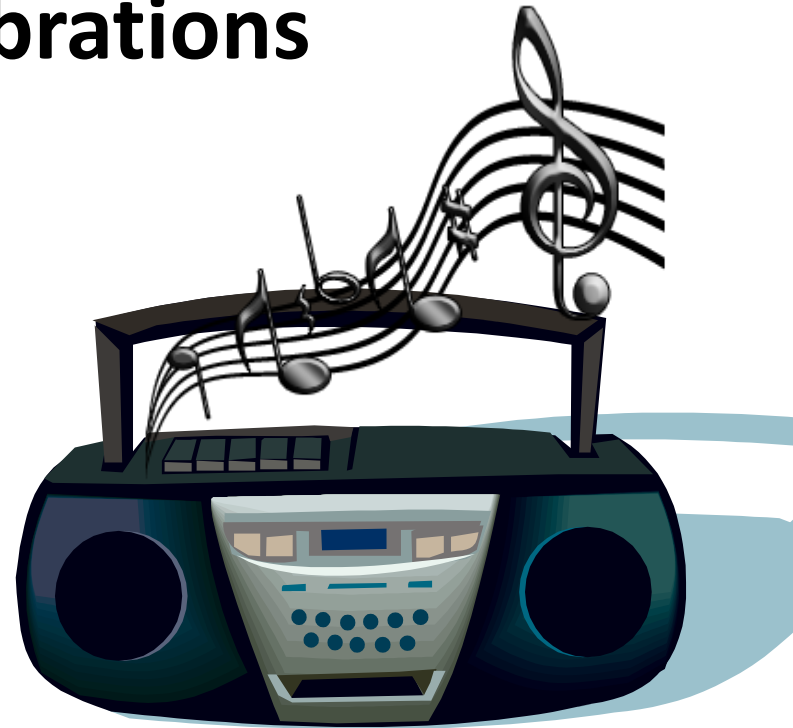
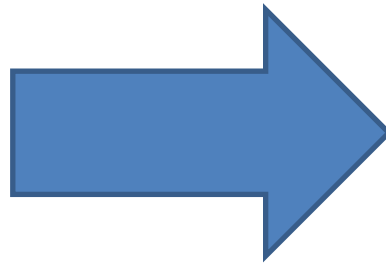
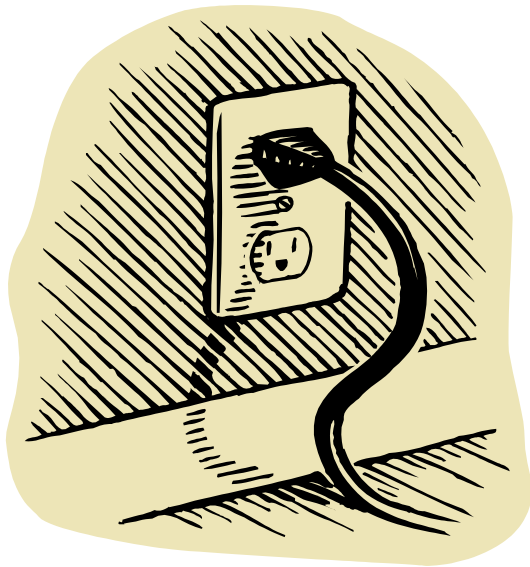
- The energy an object has due to motion
- Energy increases as object moves faster



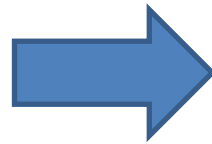
Electrical → Sound

- The energy flowing in an electric circuit

- The energy produced by vibrations

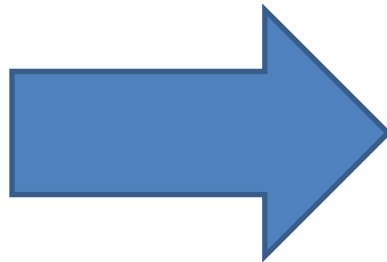


Chemical

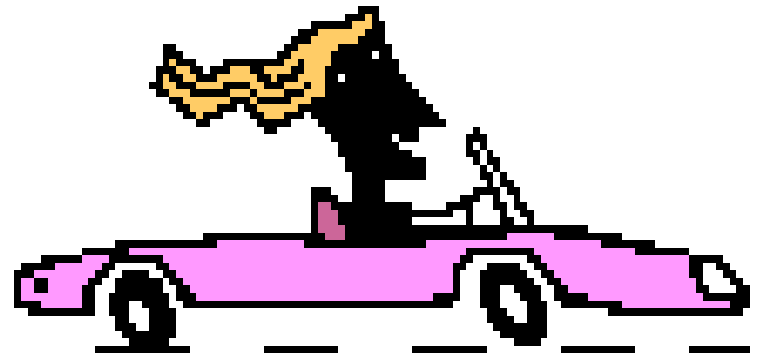


Mechanical

- Energy stored in matter, like in gasoline or sugar

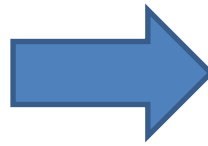


- The energy of an object that can move or is moving (potential and kinetic energy)



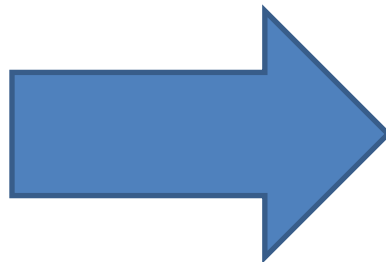
Solar

- Energy from the sun



Heat

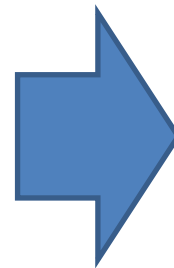
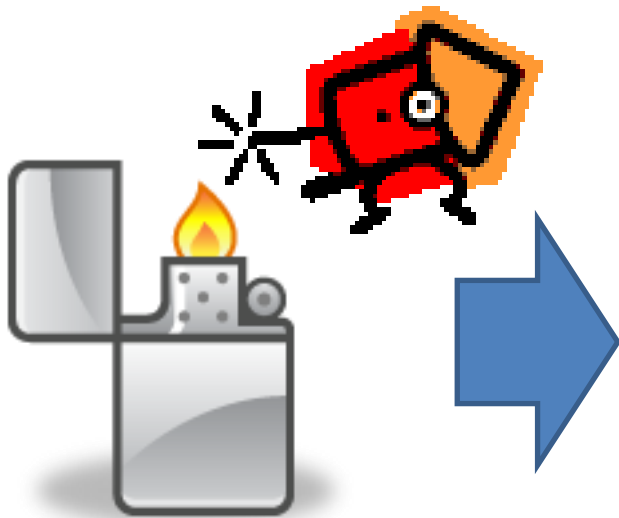
- The transfer of thermal energy
- The *movement* of particles in matter



Chemical → Heat → Light → Sound

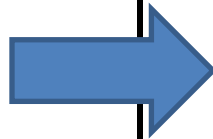
- Energy can transform from more than one form at a time!

- Some events and actions include multiple transformations of energy!



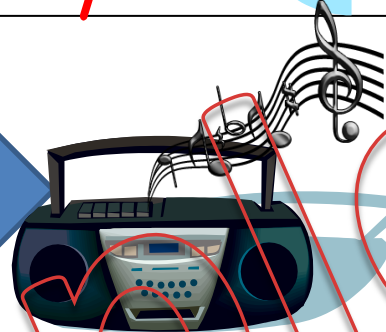
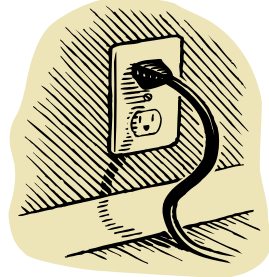
Potential			Kinetic
Electrical			Sound
Chemical			Mechanical
Solar			Heat
Chemical → Heat			Light → Sound

- Stored energy
- Dealing with an object's position



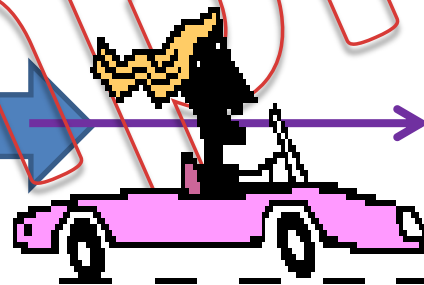
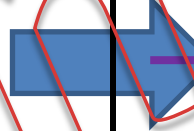
- The energy an object has due to motion
- Energy increases as object moves faster

- The energy flowing in an electric circuit



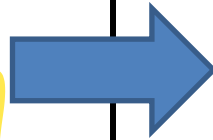
- The energy produced by vibrations

- Energy stored in matter, like in gasoline or sugar



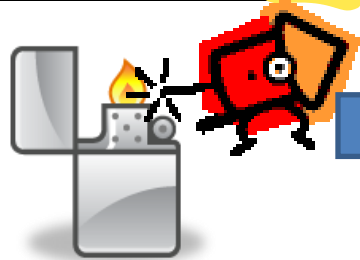
- The energy of an object that can move or is moving (potential and kinetic energy)

- Energy from the sun



- The transfer of thermal energy
- The *movement* of particles in matter

- Energy can transform from more than one form at a time!



- Some events and actions include > 1 transformations of energy!