

Identifying Energy Types & Energy Transformations



Energy can exist in many different forms.

Go to the animation at <http://goo.gl/NzoUS7> or scan the QR code above

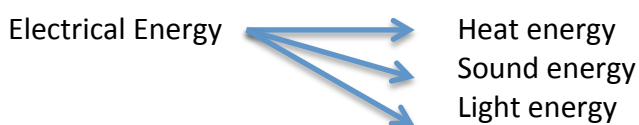
1) What different forms of energy can you **identify** from the animation?

Type of Energy	Example

The Conservation of Energy Law: **Energy cannot be created or destroyed. It can only be transformed from one form of energy to another, or transferred from one object to another.**

We use energy transformation diagrams (also called energy flow diagrams) to illustrate occasions where energy is being transformed from one type to another.

For example, electrical energy powers a television. The electrical energy is transformed into light and sound energy, which we see. Heat energy is also generated (feel the back of the tv after it's been going for awhile). Below is a basic example of an energy transformation diagram, showing the energy transformations involved to a television.



2) Based on the animation, describe an example where energy is being transformed from;

a) Electrical Energy to Kinetic Energy _____

b) Chemical energy to Heat Energy _____

c) Light energy to Chemical Energy _____

3) Create energy transformation diagrams based on 5 examples in the animation. An example has been done for you.

The digital clock on the oven is an example of

Electrical Energy → Light Energy