

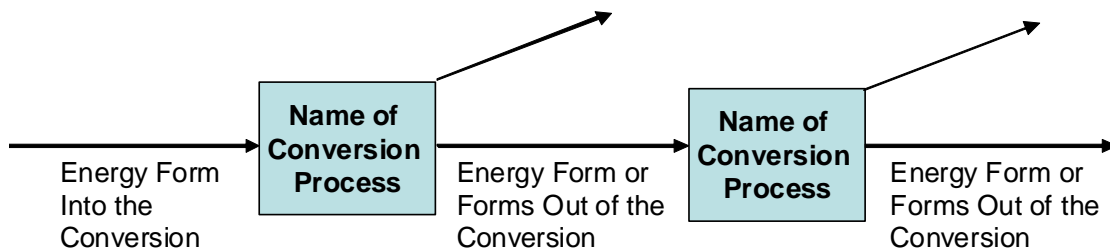
Activity: Energy System Diagrams

Purpose

In order to use an energy system, you need to know how your system works. In this activity, you will use system diagrams to discover how your assigned energy source is used to produce electrical energy. You should then be able to identify and name the components of the energy system. Using this knowledge, you will draw a flowchart to show the path of energy conversions through the system.

Procedure

1. Break into your energy system groups.
2. Each student will be given a card with either the name of a system component, or a description.
3. Someone else in the room has the description for the word you are given and vice versa. Now you must find that person.
4. Once you have found your partner go to your system diagram poster and place your word and description in the spot pointing to that component.
5. **Draw a flowchart, using the following template as a guide:**



Discussion Questions

1. Is all the energy available from your source used? If not, what components contribute most to this loss?
2. **We will discuss this question as a class.** After looking at all the system diagrams, which components are common to most of the systems? Why?