

Name: _____

Energy Conversions Project

We have discussed the 8 forms of energy.

For this project, you will make a table with pictures that are good examples of energy conversions.

Underneath each picture, you will document the energy conversion by writing down the energy that is being used and the energy that is being generated.

Machine = anything that converts energy from one form into another form.

Using this definition, almost anything, including you, is a machine.

Directions:

- ___1. Find 6 pictures in a magazine of machines that convert energy from one form to another.
- ___2. Cut out the pictures and paste them on the back of this paper.
- ___3. Label each of your drawings and pictures so I know what they are.
- ___4. Under each picture, you will document the energy conversion.
 - a. Write the form of energy that is going in or is being used by the object in the picture.
 - b. Then an arrow will show the next energy conversion.
 - c. At the other end of the arrow, write the form of energy that is coming out of the conversion.
 - d. If there are a series of conversions taking place, list all of the conversions.

*** You may need to add more arrows if you have more than 3 energy conversions... OR.... You may not need to use all of the blanks if you have less than 3 energy conversions.

Make sure your arrows are going the correct direction: from the energy input to the energy that is given off or coming out.

Examples:



Hair dryer:

electrical energy → mechanical energy
and heat energy



Boombox radio:

chemical energy → electrical energy → sound energy

Remember: batteries, food, and the energy stored in your own body are great examples of chemical energy.

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