

Name:

Date:

Class:

Playing with Energy Student Worksheet

Instructions: Follow the step-by-step procedure included in your materials kit. Make sure to document each part of the activity before building your prototype, during and after. Also, make sure to take pictures and save the images to be use in your presentation.

Machine Prototype Kit _____

1. What forms of energy are present in your prototype and what purpose do they serve?

2. Identify the parts of your prototype that produce the following:

Mechanical _____

Electrical _____

Light _____

Thermal _____

Sound _____

3. Based on your prototype, how did you use electrical energy to produce mechanical, electrical, light, thermal, and sound energy (MELTS)?

4. Discuss the limitations of your prototype.

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5. Describe what you would do to improve your prototype.
