At Home Energy Conversion Scavenger Hunt

Name:

# Part A: Types of Energy

For each definition, enter the type of energy it describes, then provide an example of it found around your house.

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| Energy Type | Definition | Example found in your house?  |
|  | is the energy of an object which is moving. |  |
|  | is the energy an object has due to gravity or stored physical energy like a spring. |  |
|  | is energy caused by the movement of molecules in the system. |  |
|  | is potential energy stored in chemical bonds. |  |
|  | is created from a flow of electrical charge. |  |
|  | is energy transferred from electromagnetic radiation (Light, X-Rays, Microwaves, etc.) |  |

# Part B: Energy Conversions

Now that you have identified some examples of energy, identify some examples of energy conversions. An energy conversion happens when one type of energy is changed into another type of energy, though some energy is used up in the conversion. (Hint: Some of your examples above may actually be examples of an energy conversion)

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| Example | Energy type going in | Energy type going out |
| **Sample: Charging a phone battery** | **Electrical** | **Chemical** |
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