

## **Middle School Science**

Name:

Date:

### **Energy Changes Worksheet**

This worksheet accompanies slide 7 of *Energy Changes.ppt*

### **Types of chemical reactions**

Watch your teacher demonstrate the following experiments and fill in the table as you go. The type of reaction will be either combustion, displacement, neutralization, oxidation, reduction or thermal decomposition.

Experiment	Observations	Type of reaction	Word equation
Lit Bunsen burner on a blue flame			
Reacting copper oxide with zinc			
Heating a piece of magnesium in a Bunsen flame			

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Experiment	Observations	Type of reaction	Word equation
Heating a test tube containing two spatulas of copper carbonate in a Bunsen flame			
Reacting zinc with 10cm <sup>3</sup> of copper sulfate solution in a test tube			
Adding sodium hydroxide solution to 1 cm <sup>3</sup> of hydrochloric acid in a test tube until universal indicator shows that the solution is neutral.			