

Appropriate illustration here



# Title

**Time:**

**Skill Level:** Elementary (age 6-11), Middle School (age 12-14)

## Background

## Next Generation Science Standards (NGSS)

### Science and Engineering Practices

1. Asking questions (for science) & Defining problems (for engineering)
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. Constructing explanations (for science) and designing solutions (for engineering)
7. Engaging in argument from evidence

### Disciplinary Core Ideas

### Crosscutting Concepts

1. Patterns
2. Cause and effect: Mechanism and explanation
3. Scale, proportion, and quantity
4. Systems and system models
5. Energy and matter: Flows, cycles, and conservation
6. Structure and function
7. Stability and change

## Objective(s)

In this activity, students will.....

## About the Scientist

The Science of \_\_\_\_\_

**The Science of \_\_\_\_\_ (continued)**

**Safety Information** (MSDS or other)

**Materials List**

**Discuss and Ask Questions-**

**Predict or Form a Hypothesis...What will happen when.....**

**Experience/ Procedure- Planning and/or Carrying out an Investigation:**

**Share -Record, Analyze and Interpret the Data:**

**Reflect- (Conclusion) Construct Explanations and Engage in Argument from Evidence:**

**Generalize- ...to real world examples. Construct explanations.**

**Apply- Assessment and Processing Questions:**

**Additional Resources: (optional)**

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