

MS 136  
Class \_\_\_\_\_

Name \_\_\_\_\_  
Date \_\_\_\_\_

**Gobstopper Lab Activity**



**Observations:** Observe one gobstopper with detail. Use all five senses!!  
Draw and describe below.

**Assign group roles**

Group name \_\_\_\_\_ Timer \_\_\_\_\_  
Recorder \_\_\_\_\_ Observer \_\_\_\_\_  
Stirrer \_\_\_\_\_

**Conduct your first set of tests! Data set #1**

Temperature of water \_\_\_\_\_

Color	Time	Observations

**Repeat Data set #1**

**Temperature of water** \_\_\_\_\_

Color	Time	Observations

Is your data iterative? Explain

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Do you think a change in temperature would change the **RATE** of change?

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What problems did you run into while running these experiments?

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**Test #2:** Today you will manipulate **one** variable. Fill in the following table. Identify as many controlled variables as possible.

Manipulated Variable	Controlled Variables	Responding Variable

**Data set #2**                      **Temperature of water** \_\_\_\_\_

Color	Time	Observations

**Repeat Data set #2**

**Temperature of water** \_\_\_\_\_

Color	Time	Observations

Is your data iterative? Explain

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**Analyze:** What did you notice about this test? Compare your results to your first test. What was your manipulated variable and how did that change your results? WHY?

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**Test #3:** Today you will manipulate one variable OF YOUR CHOICE!! BE CREATIVE! (Use a different liquid or temperature, or even add something to the water) Fill in the following table. Identify as many controlled variables as possible.

Manipulated Variable	Controlled Variables	Responding Variable

**Data set #3**

**Temperature of water** \_\_\_\_\_

Color	Time	Observations

**Repeat Data set #3**

**Temperature of water** \_\_\_\_\_

Color	Time	Observations

Is your data iterative? Explain

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**Analyze:** What did you notice about this test? Compare your results to your first and second test.

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What was your manipulated variable and how did that change your results?  
WHY?

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