Name: _____ 36

LAB: M&M PARTICLES IN MOTION

Problem: How does temperature affect the rate of dissolving the color off an M&M?

Research: Use a chromebook to learn about temperature, dissolving and particles in motion. Find at least two facts and cite your sources. (Remember- "google" is a search engine-not a source).

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Sources: 1. 2.

Hypothesis:
This is a good format to use when writing a hypothesis, but it is not always appropriate. (If… then… because…)
_____
_____
Independent Variable: (Manipulated variable- "I Change" variable) _____
Dependent Variable: (Responding Variable- "Data") _____
Control(s): (Variables we want to keep constant) _____

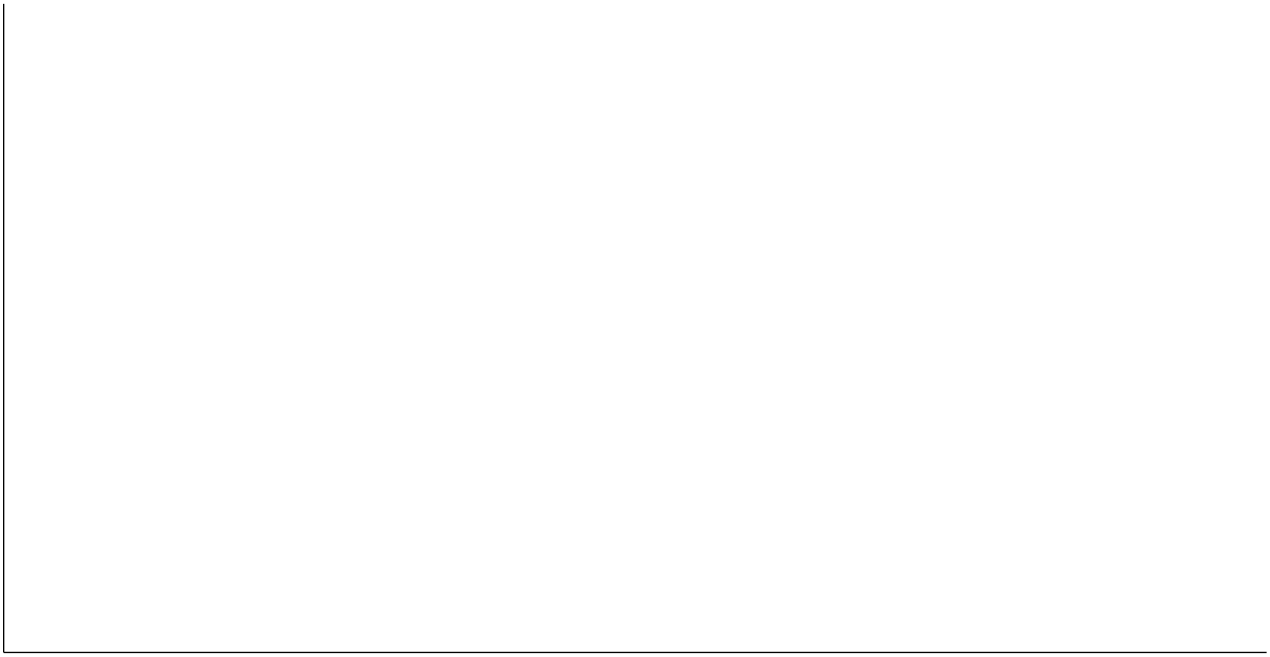
Materials: List the materials you will use in your experiment. Be specific!

Procedures: List the steps you will take in your experiment. You do not have to use all of these steps. Be Specific!!! **Get approval from your teacher before you start.**
1.
2.
3.
4.
5.
6.
7.
8.
9.
10
11.
12.

Data: Create a **table** to organize your **QUANTITATIVE** data. The independent variable goes in the first column. The dependent variable goes in the second column. Include the units of measurement.

QUALITATIVE descriptions: Describe what you saw happen in the lab using your 5 senses.

Graph: Independent variable is written on the bottom. Dependent variable is written on the left side. Include the units of measurement.



Conclusion: Based on your data, you would write a conclusion in the same form as your hypothesis. If your hypothesis was correct, then your conclusion would be the same.

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