

Name _____

M&M LAB

Directions: complete all of the following. Remember , full points are awarded for full sentences, partial points are awarded for partial sentences.

Pre-Lab Questions

1. What is the purpose of M & M's?
2. What are some different **observations** you can make using M & M's?

Research question - Choose one of the following questions to design an experiment and test in class.

- a. How does the color of M & M affect the amount of mass found in an M & M?
- b. What is the most common color of M & M?
- c. _____

Create an experiment to test your research question

1. Be sure to list each procedure step and materials needed
2. Use complete sentences
3. Before you begin get approval from your teacher

Hypothesis:

Experiment: (Write each procedure step and supplies needed)

Independent Variable:

Dependent Variable:

Control:

Collect Data: (create a **data table** to organize the data you collect)

Conclusion:

Post-Lab Questions:

1. Based on your conclusion, how would you evaluate your hypothesis? (was it supported or no) Explain why.
2. Why do you think other groups who tested the same research question had different results than your group