

Name: _____

Research Question:

What problem are you trying to solve/question are you trying to answer throughout your entire experiment?

Hypothesis:

Educated guess at what you think will happen when you work with your variables and conduct your experiment

If ...

Then...

Name: _____

Variables:

Independent: this is the ONE item that you will change in your project

Dependent: this changes as a result of the independent variable (must be measurable)

Constant Variable: items used in each test that do not change

Independent Variable:

Dependent Variable:

Constant Variables:

Name: _____

Research:

Find **AT LEAST** 10 Website links, Book Titles, Article/Journal Titles, etc.

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Name: _____

Procedure:

Step-by-step process of how you will carry out your experiment

Name: _____

Materials:

Complete list of items you need to carry out your experiment

Name: _____

Data Collection:

Include all measurements, times, and other data collected in chart form. You will then use this with Mr. Root to create a snazzy graph of your work.

Name: _____

Results:

Describe what happened in your experiment in 2-3 sentences.

Name: _____

Conclusion:

Discuss what happened in greater detail. Explain any differences you got in your data compared to the research you did. Were there any flaws/errors? Why do you think they happened? How can you apply this to everyday life? How could you expand your research? Include your opinions and observations...