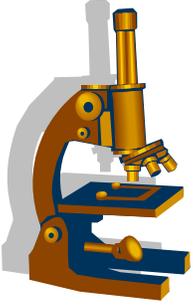


Hypothesis Statement & Explanation

What is a Hypothesis Statement?



The purpose of a hypothesis is to organize a study.

1. If the hypothesis is carefully formed, then all the steps of the scientific method will follow.
2. The hypothesis provides the structure for the experiment.
3. A hypothesis is a well-crafted sentence that proposes a relationship between two or more variables.

Hypothesis: This is a statement that serves as a possible explanation or answer to your scientific question. **The objective of the project is to test the hypothesis, not to prove it.** The hypothesis is best stated in the form ...

“I believe that...”

NOTES:

- Your Hypothesis Statement should be developed from your Scientific Question
- PLEASE, take the time to refine your hypothesis so you collect **relevant data**.
- It is crucial to realize that a hypothesis serves as a starting point for further investigation by which it may or may not be supported by the data
- Good studies may suggest new paths of fruitful inquiry and new hypotheses.

YOUR HYPOTHESIS STATEMENT NEEDS TO BE EXPLAINED ON YOUR BOARD

To have your Hypothesis Statement approved, you will need to type out and attach the following:

1. A **paragraph** explaining why you are choosing this topic.
2. **Type in bold** your approved SCIENTIFIC QUESTION.
3. A **paragraph** explaining what you learned in your background research from your literature review.
4. **Type in bold** your HYPOTHESIS STATEMENT.
5. A **paragraph** that explains based on your research, why you think your hypothesis will be supported by the data.

Printed Student Name: _____ Room # _____

Parent Signature: _____ Date _____

NOTE: The key to a successful science fair project is to create and explain your Hypothesis Statement **before** you begin your experiment. **The objective of the project is to test the hypothesis, not to prove it**

Mrs. Bairstow's Signature: _____ Approved on _____