How to Write a Hypothesis in Science

What is a hypothesis?

What is a hypothesis?? A hypothesis is an idea of what you think might happen given the understanding you've gained on the subject while doing your background research. It is an **educated guess** about how things work. It is a **tentative explanation.**

Your hypothesis should be something that you can actually test. *You need to prove your hypothesis with trials and tests that show why the data and results are correct.*

A good hypothesis looks like this..."***If I do this, then that will happen***."
For example, If I give flower seeds an organic natural fertilizer they will germinate faster than those that are fed a synthetic chemical fertilizer.

Ways to improve my Hypothesis:

Use this and fill in the blanks with the appropriate information from your own experiment.

If _____, then _____

     (I do this)   *(this will happen)*

because_____.

    (add your knowledge or research you learned)

Hypothesis samples with Mrs. Weimer's feedback

1. If our shoe has excellent traction, then you will be able to run faster in them because the sole will grip the ground causing you to spring forward and reduce the risk of sliding around.

2. If our shoe is springy, has good traction, flexibility, and is comfy then people will buy our shoe because it's very unique and it's very helpful when playing basketball.

3. If we make our shoe then it will be best.

Comment [s1]: The independent and dependent variables are clearly stated in an if/then statement. The researcher also provides a great amount of knowledge through the explanation for the prediction. This would be rated as accomplished.

Comment [s2]: The independent is identified however the dependent of people buying it is not what we are testing. The researcher does not provide knowledge through the explanation for the predication. It's more of a guess or opinion. This would be rated as developing.

Comment [s3]: The researcher did not complete a hypothesis. This would be rated as not met.