

Background Information

You need to do some research to find out what other scientists already know about your topic. This should be from a reliable source (encyclopedia, research book, textbook, web site written by scientists, etc.) and should be related to finding the answer to your question.

Hypothesis

Your hypothesis is an educated (based on facts) guess about what the answer to your problem will be. It must be based on the information we already know. Use the If-Then format, like the example below.

If (state the fact or facts on which you are basing your guess) , then I predict _____

_____.

If _____, then I
predict _____

_____.

Materials

This is the list of materials you will need to complete your experiment. **BE SPECIFIC!** (Remember, someone else needs to be able to do your experiment just like you did it, including the same materials.)

Procedure

These are the numbered, step-by-step instructions for completing your experiment. **BE SPECIFIC!!** Include numbers, tools, amounts, types, sizes, times, etc. (Remember, someone else needs to be able to do your experiment **exactly** like you did it). The first one is provided for you. Feel free to use another piece of paper if you need more space.

1. Gather required materials
- 2.