



Steps Of The Scientific Method

Developing good science fair projects depends on following these steps.

State the Purpose

- What is your topic...the question you want to answer?
- Research your topic to learn more about it.

Hypothesis

- Make a guess about the answer to your question.
- What you think is true based on the topic research you did.
- When you state your hypothesis it must be something that can be measured in experiments or data you collect later.

Procedures

- Test your hypothesis.
- Do an experiment to see if your hypothesis is true or false.

Observations

- Write down your observations and data you collect in a journal.
- Photograph the steps in testing your hypothesis if possible.

Analysis

- Look at the data and results you got from the experiments.
- Are your results conclusive or uncertain?

Conclusion

- What did your results tell you?
- Did your experiment prove your hypothesis true or false?
- Do you need to repeat this project to be sure of the results?
- Can someone else repeat your procedures and get the same results?
- List any problems you ran into doing this project.
- Would you do anything different if you did this project again?