

ABSTRACT (250 words or less)

TITLE:
SCHOOL:
GRADE:

I. STATEMENT OF PURPOSE:

Briefly define your topic. What did you want to find out?

II. HYPOTHESIS:

State your hypothesis, or what you thought would happen in your experiment based on your knowledge of the topic.

III. METHODOLOGY:

How did you test your hypothesis? List all materials you used. Identify all variables and controls. Explain your step-by-step procedure in enough detail so that another researcher would be able to repeat your experiment.

IV. ANALYSIS OF DATA:

Include a detailed summary of your data in text form. What did your charts and graphs show, especially regarding your hypothesis? *Make reference to the charts and graphs in the scientific paper.*

V. SUMMARY AND CONCLUSION:

What did you find out? Briefly explain how the data led you to accept or reject your hypothesis. Also describe any shortcomings of your study.

VI. APPLICATION:

Can you apply your research to the real world? Can your findings help people solve a problem? Do you have any suggestions for further research?

Abstract Example: Title: Effects of various fruit juices on plant growth

I. Matt wanted to know the effect of different juices on plant growth.

II. Matt thought all the plants would die when watered with juice.

III. To test the hypothesis Matt... - The materials Matt used were... - the independent and dependent variables are... the control in this experiment was .. Matt's procedures are...

IV. After a week and a half of observation, Matt found that plants fed with lemonade and grapefruit juice started to die, but those fed with orange juice grew taller than all the other plants.

V. Based on his results, Matt admitted that part of his hypothesis was wrong.

VI. Matt suggested that feeding plants orange juice on a regular basis could benefit agriculture and farming industries.

Keeping a Journal of the daily progress is highly recommended. This could also include problems encountered and the way in which they were solved. Parts of the experiment that were changed along the way to improve the project are good to record.