

Scientific Study Format

Scientific Method

Title of Experiment or Study:

I. Stating the Problem:

What do you want to learn or find out?

II. Forming the Hypothesis:

What is known about the subject or problem and what is a prediction for what will happen.

III. Experimenting: (Set up procedures)

This should include – materials used, dates of the experimental study, variables both dependent and independent (constant and experimental), how and what was done to set up the experiment, fair testing procedures.

IV. Observations:

Includes the records, graphs, data collected during the study.

V. Interpreting the Data:

Does the data support/defend the hypothesis?

VI. Drawing Conclusions:

Justify the data collected with concluding statements about what has been learned. Discuss any problems or concerns. Use other studies to support the conclusion. Give alternative ideas for testing the hypothesis.