

# Scientific Method



## Question

Ask a question or state a problem.  
Develop a testable question.

## Gather

Gather information by observation and resources.  
(books, newspapers, magazine articles, or the Internet)

## Hypothesize

Form a hypothesis, an educated guess about the outcome.  
Make predictions based on cause and effect.

## Experiment

Design and perform an experiment to test your hypothesis.  
Follow written instructions for a scientific investigation.  
Record data in ways that make sense.  
(lists, charts, graphs, and labeled diagrams)  
Multiple trials help to draw meaningful conclusions.

## Conclude

Draw a conclusion by analyzing your results.  
Decide if further information is needed for support.  
Modify your hypothesis and re-design your experiment  
if needed.

## Report

Tell all about your experiment, from question to conclusion.  
Make your data clear and easy to understand.