

Explore the scientific method and perform some experiments.

Poster. Describe the scientific method. Experiment templates.

Lab report template.

SCIENTIFIC METHOD

1

QUESTION

Ask questions about what you want to find out or discover.

2

RESEARCH

Find out as much about the topic as possible.

3

HYPOTHESIZE

Make predictions about what you might learn or discover.

4

EXPERIMENT

Test the hypothesis to confirm or disprove your ideas.

5

COLLECT DATA

Collect data and evidence to prove your findings.

6

ANALYZE

Record what happens during the experiment.

7

CONCLUDE

Make conclusions about the findings and discoveries of the experiment.

8

REPORT

Record and report back the findings made during the scientific process.



THE SCIENTIFIC METHOD



Definition: What is the scientific method?



01



02



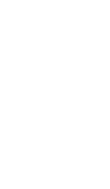
03



04



05



06





THE SCIENTIFIC METHOD



Definition: What is the scientific method?

a process or steps taken to produce reliable results that answer a specific question



01 **MAKE AN OBSERVATION.**



02 **DO SOME RESEARCH**



03 **ASK A QUESTION / HYPOTHESIS**



04 **PERFORM AN EXPERIMENT**



05 **ANALYZE DATA. CONCLUSION.**

06 **SHARE YOUR RESULTS. GET FEEDBACK.**



SCIENTIFIC METHOD



MAKE AN OBSERVATION

ASK A QUESTION

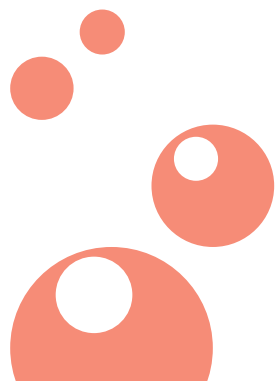
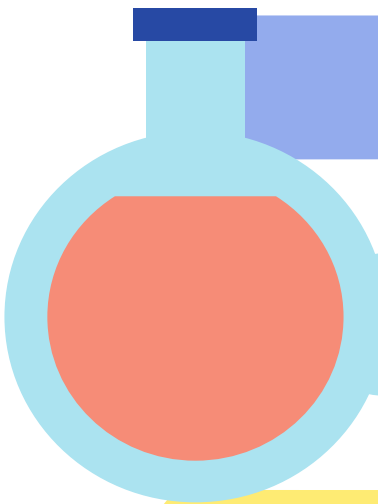
DEVELOP A HYPOTHESIS OR PREDICTION

TEST THE PREDICTION

ANALYSE RESULTS

RECORD THE RESULTS AGAINST HYPOTHESIS

MAKE A CONCLUSION



SCIENTIFIC METHOD

My observation: _____

My question: _____

My hypothesis: _____

My prediction: _____

How I will conduct my experiment: _____

My results: _____

My conclusion: _____

Science Experiment Outline

Title: _____

1	PROBLEM
_____ _____ _____ _____ _____ _____ _____ _____	

4	RESULTS
_____ _____ _____ _____ _____ _____ _____ _____	

2	HYPOTHESIS
_____ _____ _____ _____ _____ _____ _____ _____	

5	ANALYSIS
_____ _____ _____ _____ _____ _____ _____ _____	

3	PROCEDURE
_____ _____ _____ _____ _____ _____ _____ _____	

6	CONCLUSION
_____ _____ _____ _____ _____ _____ _____ _____	

NAME _____

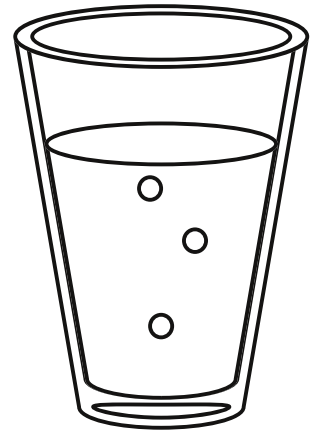
DATE _____

CLASS _____

TEACHER _____

DANCING RAISINS

Place some raisins in a cup of tap water. Place some raisins in a cup of mineral water. Watch what happens.



Prediction:

Steps:

Results:

LAB REPORT

LAB ACTIVITY:

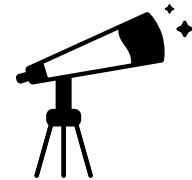
NAME:

DATE:

QUESTION

HYPOTHESIS

MATERIALS TO BE USED



PROCEDURE

RESULTS

state the outcome of the experiment.
Include graphs and/or tables if applicable.

CONCLUSION

explain the outcome; discuss whether it proves
or disproves hypothesis

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