

Design An Experiment

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Use the Scientific Method when designing an experiment

Ask a question.

Have you observed something and wondered why, how, or when?

What do you want to learn?

Do background research.

Find out about the topic related to your question.

What do you already know or what can you learn about the topic?

Construct a hypothesis.

Make an educated guess. What do you think is the answer to your question?

Make predictions of what will happen.

Test the hypothesis.

Design an experiment to test if your predictions are right or wrong.

Perform your experiment several times for more accurate results.

Analyze data and make a conclusion.

Record what happens. Collect information including observations and data from doing the experiment.

Were your predictions correct?

Share results!

Share your experiment and results at www.groundwater.org!



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