

Thinking like a Scientist

1. Ask a question (what do you want to study?)
2. Make your **hypothesis**
3. Do an experiment to test your **hypothesis**
 - a. How can you find the answer to your question?
 - b. What **variables** does your experiment have?
 - c. Test only one variable
 - d. Perform replicates of your experiment (repeat it)
4. Record your observations – what did you see or measure?
5. Summarize your observations
6. Make **conclusions** about your hypothesis

Vocabulary

Variable: Anything that can affect the results of your experiment.

Hypothesis: A prediction about the result of your experiment; what do you think will happen? Why?

Conclusion: What do your observations say about your hypothesis? What is the answer to your question?