# 4 Steps of the Scientific Method

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### Ask a Question

What do you want to know about the world around you? Make observations. Decide what your question should be.

Example: why does it feel cooler in the shade than in the sun? Is it actually cooler? Why?



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### **Come to a Conclusion**

End with new knowledge, gained through testing.

Decide whether your hypothesis was right or wrong. What were the results of your experiment? Can you tell why it happened that way? Explain your results.

Example: the ice did melt faster in the sun - this shows that the temperature is cooler in shade.



# Form a Hypothesis

What do you think will happen when you try an experiment to answer your question? Write down your prediction, because what actually happens may surprise you!

Example hypothesis: ice will melt faster in the sun than in the shade.



Repeat Steps 3 and 4 as needed.

## **Experiment!**

Set up an experiment to see if your hypothesis is right or wrong. Make sure your experiment results are accurate – try it twice! Record your results







