

Scientific Method

How real scientists work — six

- 1 — QUESTION. What do you want to find out? Ask a clear, testable question. e.g. 'Does sugar dissolve faster in hot water than cold?'
- 2 — RESEARCH. What's already known? Read, talk to people, look it up.
- 3 — HYPOTHESIS. Make a smart guess. 'I think sugar will dissolve faster in hot water because the molecules move faster.'
- 4 — EXPERIMENT. Test it! Keep everything the same EXCEPT the one thing you're testing (the variable). Repeat at least 3 times.
- 5 — RESULTS. Record what you saw. Use a table, a graph, or measurements. Be honest — even if your hypothesis was wrong.
- 6 — CONCLUSION. What did you find? Did the results support the hypothesis? What might you do differently next time?

