

Review Scientific Method



Has 7 steps

1) Ask a **Question** (It must be **Testable**)

- Include "Which", "Do/Does", "How", "What", "Why"?
- To find an answer you must do a test and the retest

2) Make a **Hypothesis** - Write what you think you will find out, and why you think this.(or what you think the answer will be). Is there a way to test your hypothesis.

-You now have to design an experiment to test your hypothesis

3) **Design an Experiment** - what are you going to do to test your hypothesis. Here you must state the variables. **(SEE NEXT PAGE)**

4) **List Materials** - list all the materials that you will use in the investigation

5) **Procedure** - Carry out the investigation and make a detailed list of steps in which you followed .

6) **Results/observations** - Record what you observed when you carried out the investigation/procedures

7a) **Conclusion** - From what you observed how would you answer your original question. Was your hypothesis correct? Give reasons of why or why not.

Once you have completed the scientific method you must:

7b) -Communicate your results and conclusions with others

- If possible, **relate** what you have learned to the world outside the classroom.

- <https://www.youtube.com/watch?v=qAJ8IF4HI20> Scientific method Brain POP
- https://www.youtube.com/watch?v=_3wzx2C6Bt8 Jr
- <https://www.youtube.com/watch?v=l63RB0fX2Xw> Penny chemistry Experiment
- https://www.youtube.com/watch?v=UupDI4_pPIQ The corrosion Experiment