

Science Investigation Template

This template is suitable for planning and writing about a wide range of science investigations. Feel free to adapt it for your own purposes! The below guide is only a suggestion!

Quick Guide:

Question: Your investigations should set out to answer a specific question. Make one up!

Example: What household material dissolves most effectively in water...

Step by Step: How you will carry out your investigation. Use really clear instructions.

Example: 1. Place the containers on a flat surface 2. Pour equal amounts of water in each one...

Variables: Your investigation should only have one variable that changes.

Example: Variable to change: Type of Material. Variables to keep the same: Containers, amount of water. Amount of material...

How will we keep safe: Think about the steps you can take to make sure everyone stays safe.

Example: We should all wear eye protection and make sure no one stands behind the person carrying out the investigation...

Equipment List: Make a list of all the equipment you will need to conduct your investigation.

Example: 1. 6 glasses 2. A teaspoon 3. 500ml of water 4. Measuring jug...

Prediction: Have a guess at what you think the result of your investigation will be.

Example: I believe the material that will dissolve the most effectively will be salt. I think this is because salt is used in cooking all the time and it's grains are very small...

Observations: Write down what you see happening while you conduct your investigation.

Example: When we poured the salt into the glass of water, it went straight to the bottom. It didn't start to dissolve until we started stirring...

Conclusions: Based on your observations, what do you think the answer to your question is? Remember to give evidence.

Example: I think the material which dissolves most effectively is sugar. This is because it quickly disappeared when it was added to the water. The material which dissolved least effectively was....

Evaluation: What do you think went well? What didn't go so well? What would you change if you were to repeat the investigation?

Example: We did very well to keep the variables the same. However it was very difficult to measure the same amounts using a teaspoon. We could try using weighing scales for more accuracy.

Title:

Name:

Question

?

Step by Step:

Variable to change:

Variables to keep the same:

How will we keep safe?

Draw a diagram:

Equipment List:

Prediction:

