

2. Features of a well-designed experiment



Aim/purpose

2.1

Every experiment must have an aim or a purpose – a reason for doing it. This is what you are trying to investigate. The aim of all scientific experiments is to test a scientific theory or to investigate a natural phenomenon.

A good way to write an aim is to start: “The aim of this experiment is to ...”

Write a brief aim for each of the following experiments.

1. Experiment one: Use different types of detergent to blow bubbles.
The aim of this experiment is to ...
2. Experiment two: Use different fertilisers on similar plants.
The aim of this experiment is to ...
3. Experiment three: Hold your nose while eating different foods.
The aim of this experiment is to ...
4. Experiment four: Use the front and back of a spoon as a mirror.
The aim of this experiment is to ...
5. Experiment five: Put a strong magnet in different types of cereal.
The aim of this experiment is to ...