

Scientific enquiry

There are **5 types** of scientific enquiry.

We use scientific enquiry **to find answers to different kinds of science questions.**

1. **Research**
2. **Fair testing**
3. **Observing over time**
4. **Identifying and classifying**
5. **Pattern seeking**

1. Research

We can do research by using books, internet or watching videos when we cannot find the answer to a scientific questions by doing an investigation.

2. Fair testing

In a fair test we change one factor or variable and keep all the others the same, to try to answer a scientific question.

1. **Control variable** is the variable that you keep the same during an investigation.
2. **Dependent variable** is the variable that you observe/measure during an investigation.
3. **Independent variable** is the variable that you can change.

3. Observing over time

We can find answers to different kinds of science questions by observing over time.

4. Identifying and classifying

Identifying – Is the process of naming something

Classifying - One way that scientists learn about these things is to put them into groups.

5. Pattern seeking

In this type of scientific enquiry, we try to answer by identifying patterns in the measurements and observations we record.