

CHAPTER 01

What is Science?

Planning an investigation:

- Before starting research, they gather information, plan, conduct a study, organize and present their study.
- It includes five steps.

Step – 1: Observe and ask a question:

Use your senses to make observation, record the question, and decide what information you need more and do research on the topic.

Step – 2: Form a hypothesis:

It is the possible answer that can be tested and write it in the form of complete sentence.

Step – 3: Plan an experiment:

- Write down the list of variables/factors required.
- Also, make a list of the equipments and make necessary arrangements to record the data.

Step – 4: Conduct the experiment:

While performing the experiment record everything that happens and organize the data carefully.

Step – 5: Draw conclusion and communicate the results:

- Analyze the data collected and represent it in the form of graph.

- Make a note of conclusion, determining the factors responsible.
- Check if hypothesis is correct (or) not.

