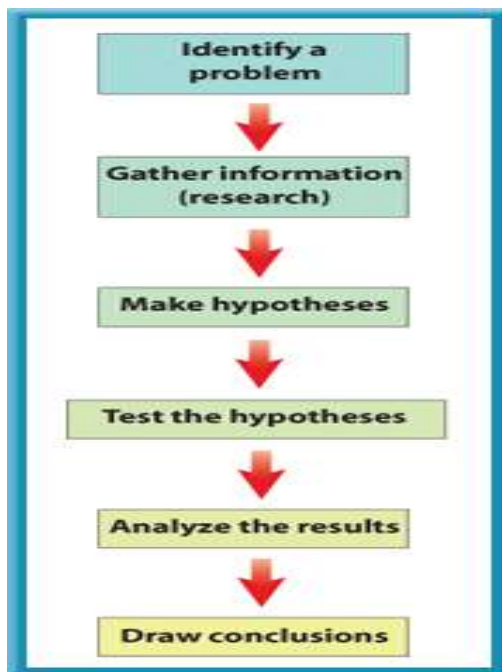


Chapter 1- THE NATURE OF SCIENCE

SECTION 2- SCIENCE ALL AROUND

Scientific Method: A series of procedures used in science.

- **State the Problem-** this is the title of experiment in the form of a question.
- **Gather Information-** using previous knowledge by observing.
- **Form a Hypothesis-** this is a prediction that can be tested, educated guess.
- **Procedure (experiment) – Testing the Hypothesis**
 - **Constants-** variables that do not change in an experiment.
 - **Controls** - the standard, to which the outcome of a test is compared, always stays the same.
 - **Variable-** something in an experiment that can change, an experiment should have only one variable.
 - **Dependent variable-**the variable being measured.
 - **Independent variable-** the variable that you change.
- **Data** (graphs/tables)- information collected during the experiment, used to accept or reject the hypothesis.
- **Conclusion-** Giving evidence on why you accept or reject the hypothesis.



SCIENCE-a process of observing, studying, and thinking about things in your world to gain knowledge.

EARTH SCIENCE-the study of Earth and space.

TECHNOLOGY- the use of scientific discoveries for practical purposes.
Technology is transferable, meaning it can be applied to new situations.