

Physical World Class 11 Notes Physics Chapter 1

Science

Science is a systematic and organised attempt to acquire knowledge about the surroundings through observations, experiments and verifications.

Scientific Method

Several inter-related steps are involved in scientific method. Some of the most significant steps are as follows:

The systematic observations

Reasoning

Mathematical modelling

Theoretical prediction

Physics

Physics is a fundamental science concerned with understanding the natural phenomena that occur in our universe.

It has many branches such as Mechanics, Electromagnetism, Thermodynamics, Modern Physics, etc. Between 1600 and 1900, three broad areas were developed, which is together called Classical Physics. These three areas of study are classical mechanics, thermodynamics and electromagnetism. But by 1905 it became apparent that classical ideas failed to explain several phenomena.

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