Chapter 1

Force

Major topics:

Newton’s Law of gravitation and its application.

Difference between gravity and gravitation

Concept of mass and weight and their units.

Concept of freefall and weightlessness.

Force

Force is an external agent that changes or tends to change the state of body from rest to motion or motion to rest. In narrow sense, the pushing or pulling is called force.

Concept of Geocentric and Heliocentric Theory