

# Chapter 9

## FORCE AND LAWS OF MOTION

### Collisions:

“The mutual interaction between the two bodies is called a Collision”.

It is to be noted that the bodies need not be in physical contact during collision.

**Ex.**

In Rutherford  $\alpha$  - particles experiment retrace their path without hitting the gold target.

Collisions are 3 types,

- 1) Elastic collisions
- 2) Inelastic collisions
- 3) Semi elastic collisions