

Chapter 4

STRUCTURE OF ATOM

- Thomson's atomic model is also called as Watermelon model, Plum pudding model or Raisin pudding model.
- In watermelon, red coloured fibrous matter is compared with protons in atom.
- Similarly, seeds in watermelon are compared with electrons in atom.
- It means protons are occupying whole space in atom and electrons are distributed randomly in between protons.

Limitations:

A question raised at that time is “how two oppositely charged particles can exist together without getting neutralised”.

Thomson's atomic model could not answer above question. Hence considered to be a failure.