## LECTURE 2

- 1. Briefly explain how we interpret the following observations from the gold (Au) foil experiments. (a) Most particles passed through the Au foil with no appreciable backscattering. (b) A tiny percentage of particles were backscattered at significant angles.
  - (a) Atoms are composed primarily of empty space.
  - (b) There is something very massive and very tiny- or dense- inside of atoms.

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