## Chapter 2. Atomic structure and Interatomic Bonding

Atomic Structure

•Electrons, protons and neutrons in atoms (Bohr and QM models)

1

•The periodic table

•Atomic Bonding

•Bonding forces and energies

- •Primary interatomic bonds
- Secondary bonding
- Molecules







## Electron In 1897, J.J.Thomson discovered "corpuscles", small particles with a charge/mass ratio more than 1000 times greater than that of protons, swarming in a see of positive



Sir Joseph John Thomson (1856-1940) Nobel prize 1906



Thomson's 2<sup>nd</sup> Cathode ray experiment









































