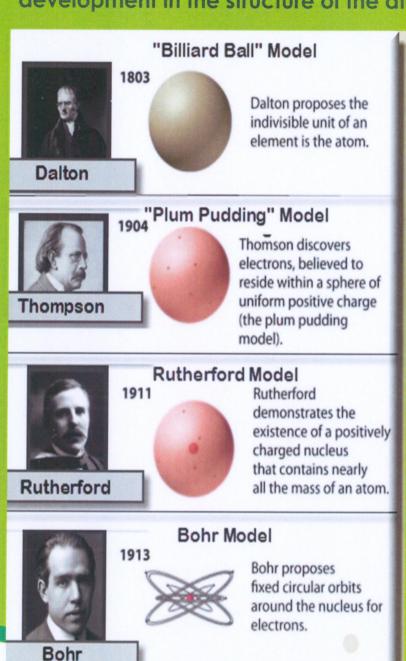
List of the most important scientists who helped to develop the structure of the atom and models that show the development in the structure of the atom.



"Electron Cloud" Model

Schrodinger

In the current model of

the atom, electrons

occupy regions of space (orbitals) around the nucleus determined

by their energies.

The importance of the atomic structure:

The importance of the atomic structure is to establish that all mater is made of tiny particles, a discovery that led to amazing scientific breakthrough in areas from modern chemistry to nuclear energy.

The importance of atomic theory examines the core idea beaned the theory, how it developed and the many ways that atomic theory has influenced daily life, culture, science and societal change.

Atomic structure determines:

- 1. Bonding (valance) including strength, angle.
- 2. Magnetic Properties.
- 3. Electrical Conductivity.
- 4. Spectrum of radiation.
- 5. Chemical reaction rates, directions.
- 6. To understand some phenomena such as atomic light emission and absorption.
- 7. Roentgen and X rays.
- 8. The promise of Nano medicine.



History of the Atom









