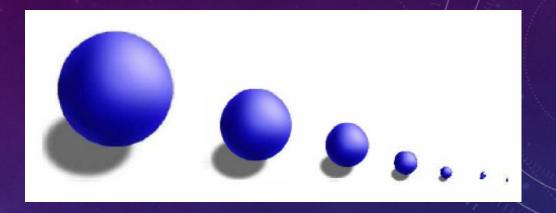
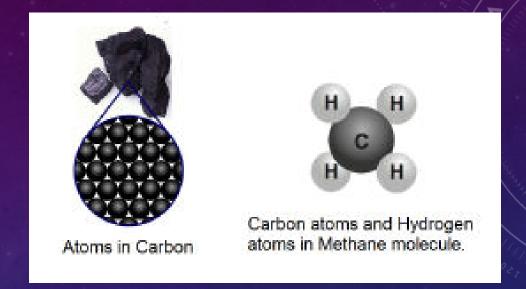


DEMOCRITUS



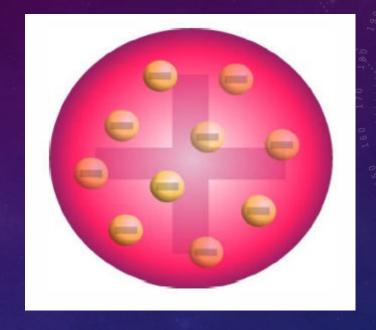
Greek Philosopher who theorized that all matter was composed of tiny indivisible particles called atoms (or atomos in Greek, meaning uncuttable). Atoms possess the same chemical and physical properties as the element from which they came.

DALTON



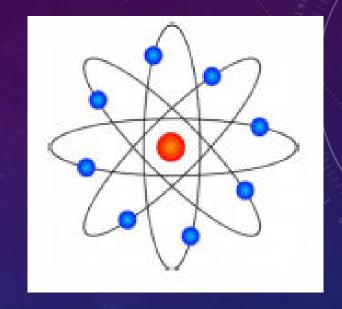
British Schoolteacher who developed the First Atomic Theory of Matter. Dalton *incorrectly* thought that all atoms were identical and indivisible. He *correctly* said that atoms combined to form elements and that elements combined in precise ratios to form compounds.

THOMSON



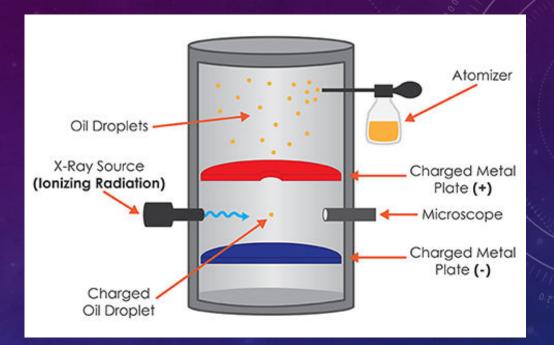
British Physicist who performed the Cathode Ray experiment. He is credited with discovering electrons and said that they were sprinkled randomly throughout the positively charged atom like pieces of plums in Plum Pudding Model.

RUTHERFORD



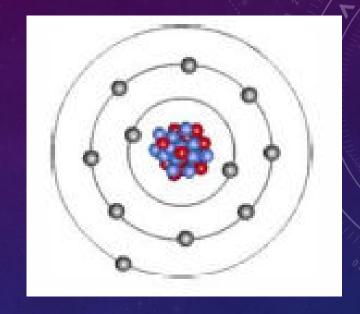
British Physicist who performed the Gold Foil Experiment. This experiment proved that the atom was mostly empty space and that the protons were densely packed in the nucleus.

MILLIKEN



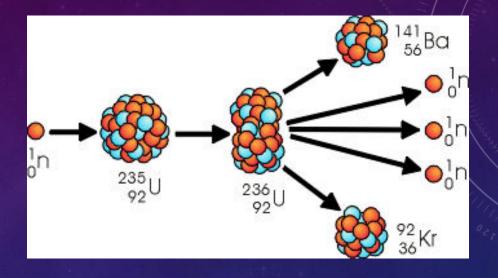
An American physicist, who discovered the charge to mass ratio of the electron in 1910 using the Oil Drop experiment. This information lead to the creation of Mass Spectroscopy.

BOHR



Danish Physicist who suggested that electrons exist in discrete fixed orbitals. Electrons can jump to higher energy orbitals. Electrons emit light when they fall to lower energy orbitals. This is called the Planetary Model.

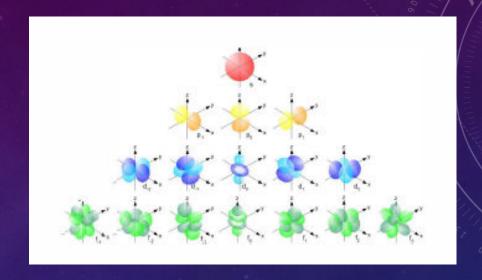
CHADWICK



English Physicist who experimented with Fission Reactions.

Noticed that neutral particles were emitted from the nucleus, when beryllium was bombarded with alpha particles. He called the neutral particles neutrons.

DE BROGLIE



French physicist, who suggested that electrons travel at the speed of light in wave patterns called probability orbitals or probability clouds. These regions have different shapes and suborbitals depending on the amount of energy required.