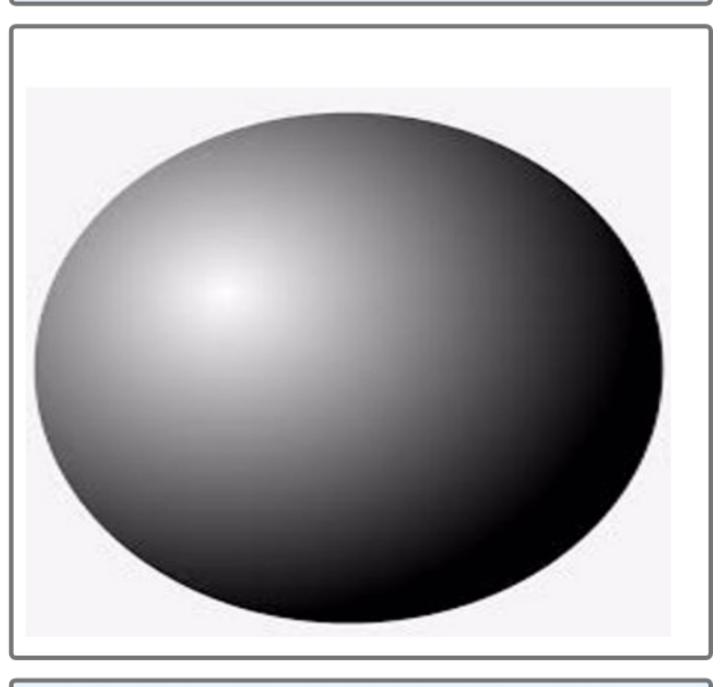
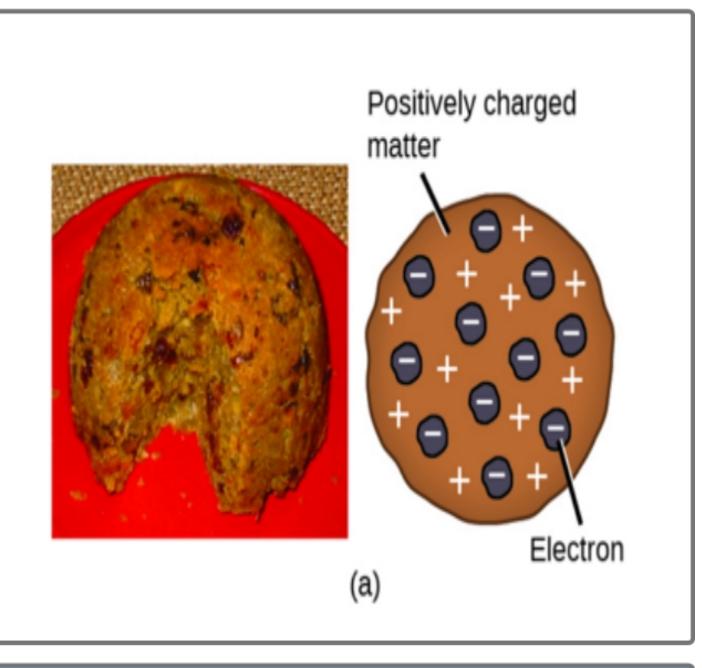


Atomic model: John Dalton



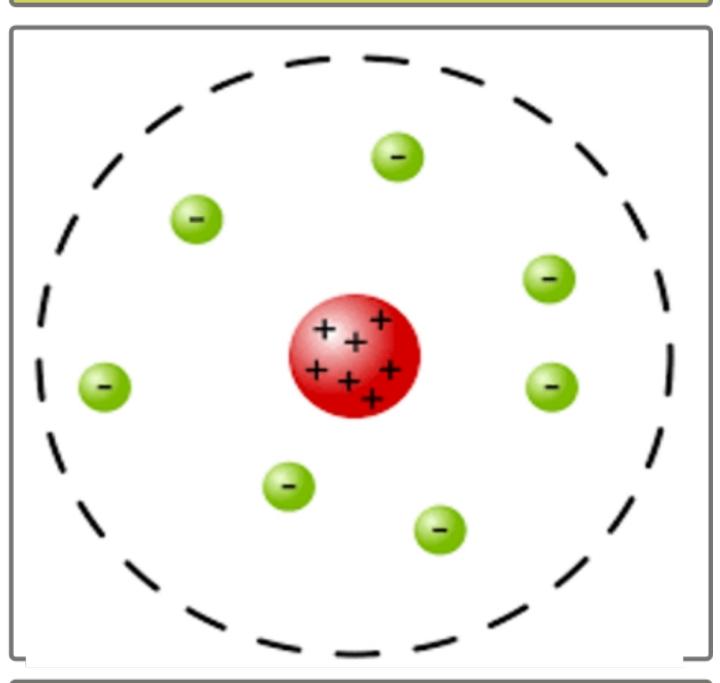
- 1-All matter is made up of tiny, indivisible particles called atoms.
- 2-All atoms of a specific element are identical in mass, size, and other properties. However, atoms of different element exhibit different properties and vary in mass and size.

Plum-pudding model: J.J. Thomson



The atom is made out of a sphere of positive charges with negatively charged electron embedded in it.

Nuclear model: Ernest Rutherford

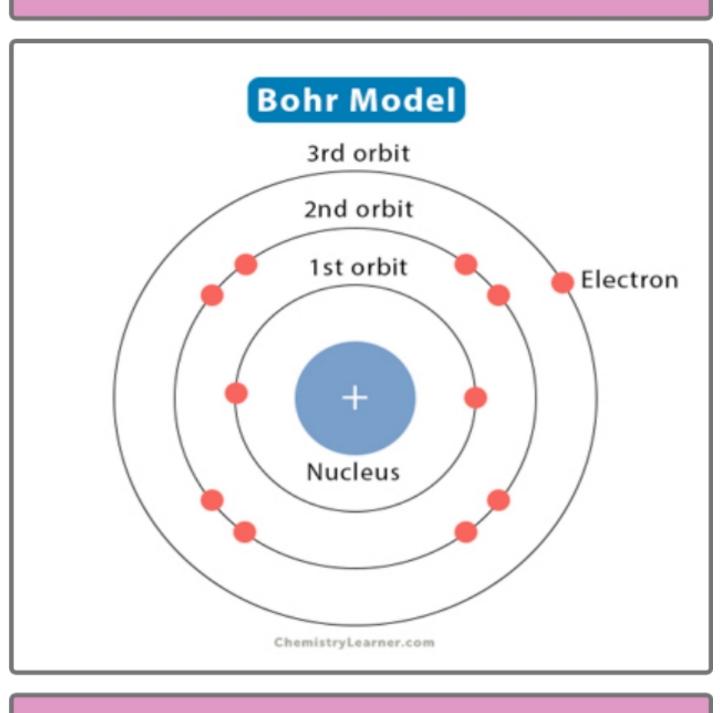


1- Atoms are mostly empty space.

2-Most of the mass is concentrated in the center of the atom. This tiny, dense, positively charged core called a nucleus.

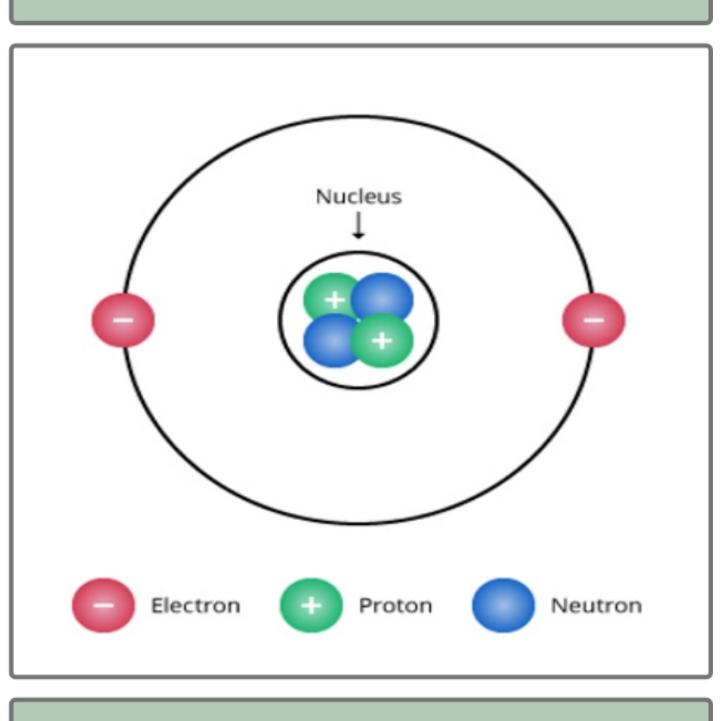
3- Electrons are located outside the nucleus.

Planetary model: Niels Bohr



Electrons orbit the nucleus in orbits that have specific size and energy.

James Chadwick Atomic Theory



Confirmed the existence of neutrons, Nuclei contain both neutrons and protons