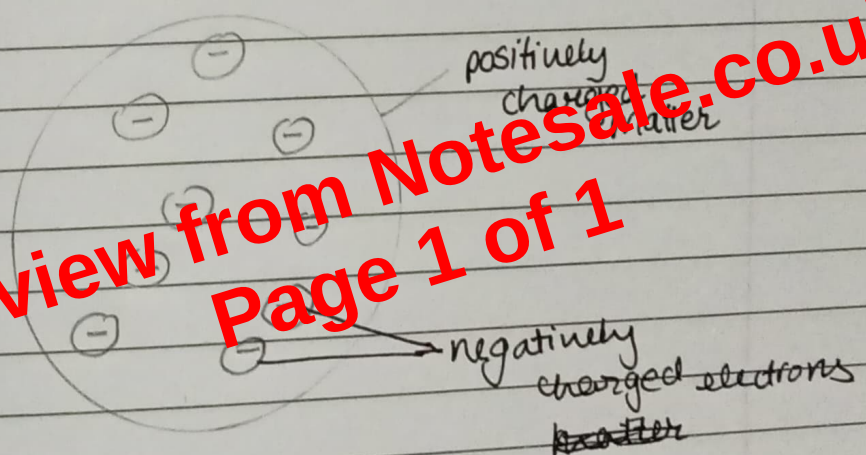


THOMSON MODEL OF ATOM

J.J. Thomson in 1897 proposed that an atom possesses a spherical shape in which the positive charge is uniformly distributed.

The electrons are embedded into it in such a manner as to give the most stable electrostatic arrangement.

Different names of the model:- plum pudding, raisin pudding or watermelon.



Drawbacks:-

- he failed to explain stability of atoms
- It was not able to explain the result of α -particle scattering experiments by Rutherford.

Success:- mass of atom is uniform.