

## [#] PROBLEMS WITH RUTHERFORD'S MODEL :-

⇒ The following phenomena can not explain through Rutherford model.

(1) **The stability of the atom :-** A charged electron orbiting a charged nucleus should release electromagnetic radiation as it orbits, losing energy and collapsing into the nucleus.

(2) **The line spectra of elements :-** All elements create a unique signature colour when excited. This is due to the series of spectral lines each element forms.