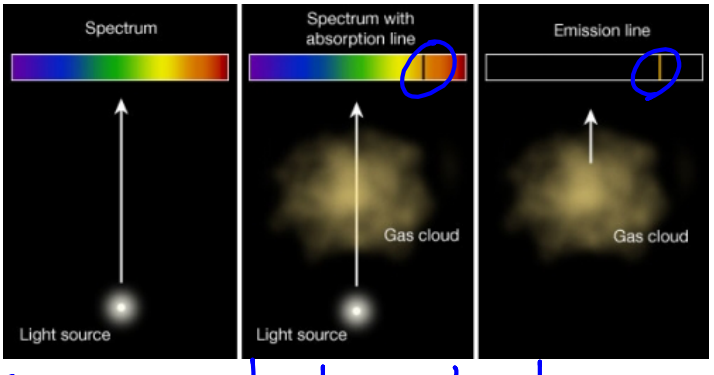
Kirchoff's Laws

1: Black Body will emit a perfectly continuous spectra.

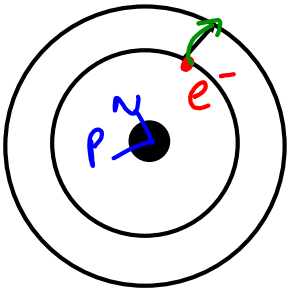
2: Black Body through a cold gas, we see an absorption spectra (black lines).

3: Glow gas (star) will emit an emission spectra (Light Lines)



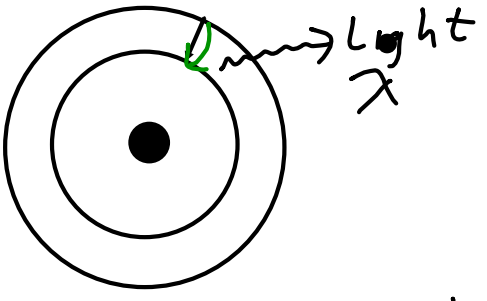
Full spectrum in a true B.B. | absorption spectra | emission spectra

Absorption Spectrum

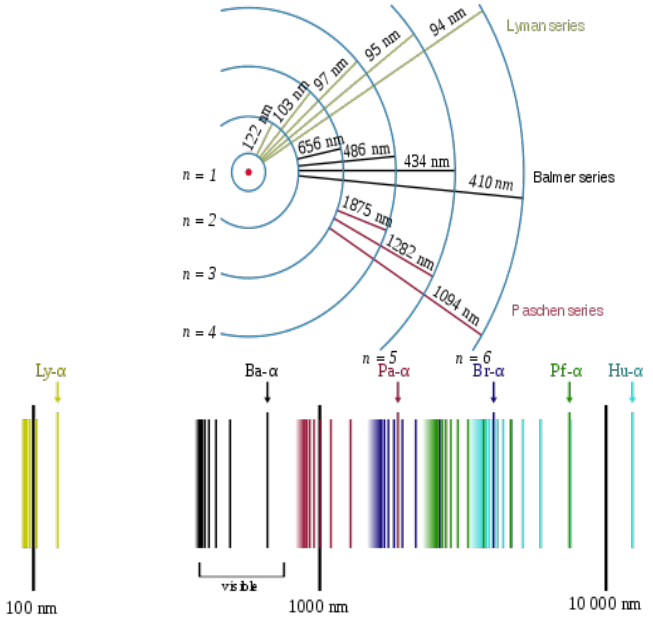


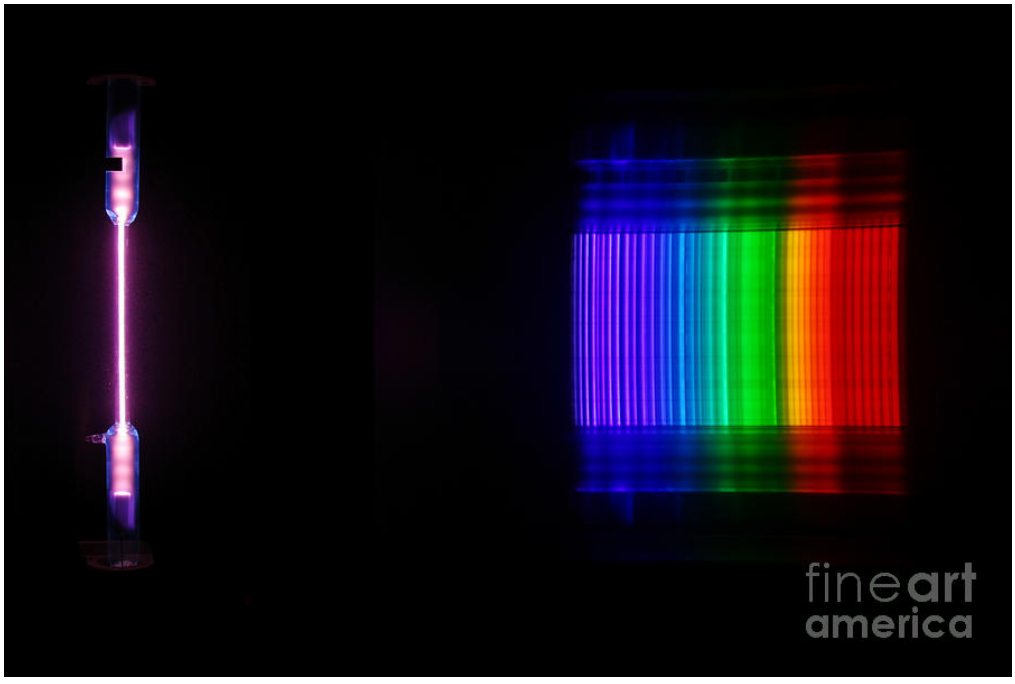
electrons are Jumped in Finite packages (quantum).

Emission Spectrum

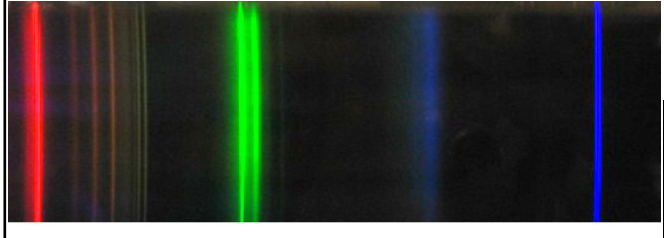


emit an exact amount of energy λ.



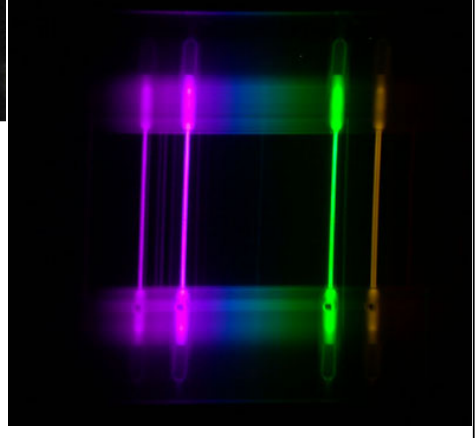


Helium (He)

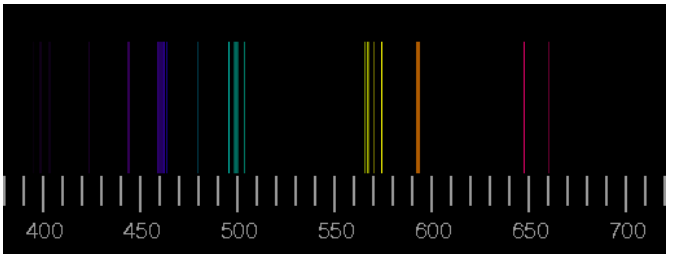


Helium spectrum viewed with spectroscope in lab scene
Helium is one of the three things given off by Radium. Electons and gamma rays are the other two.

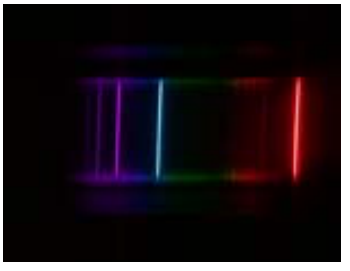
Mercury (Hg)



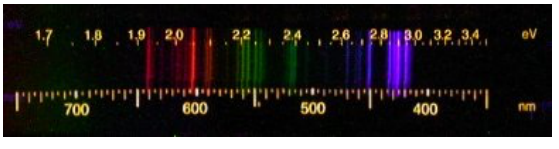
Nitrogen (N)

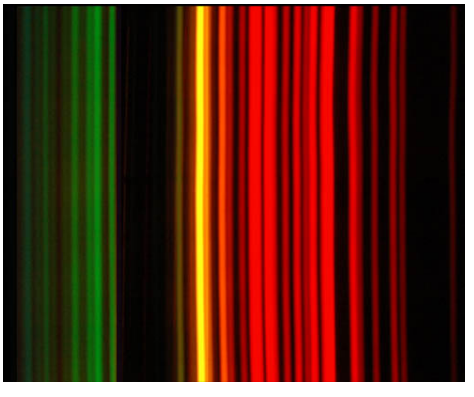


Hydrogen (H)



Argon (Ar)





Neon (Ne)