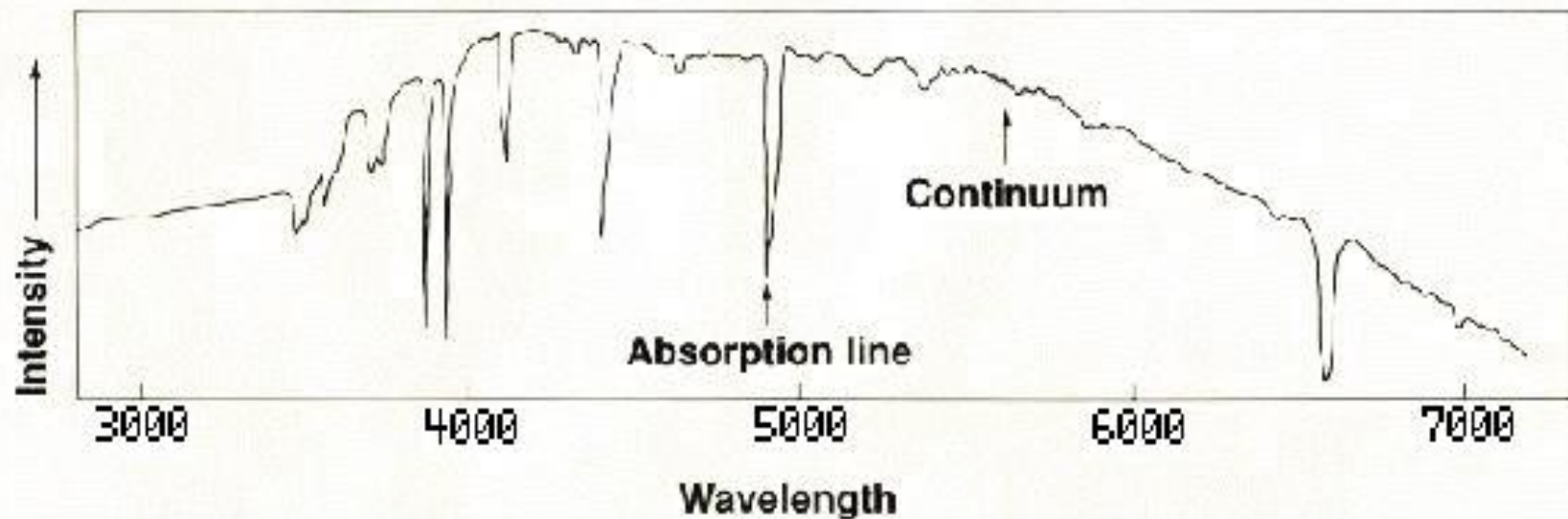
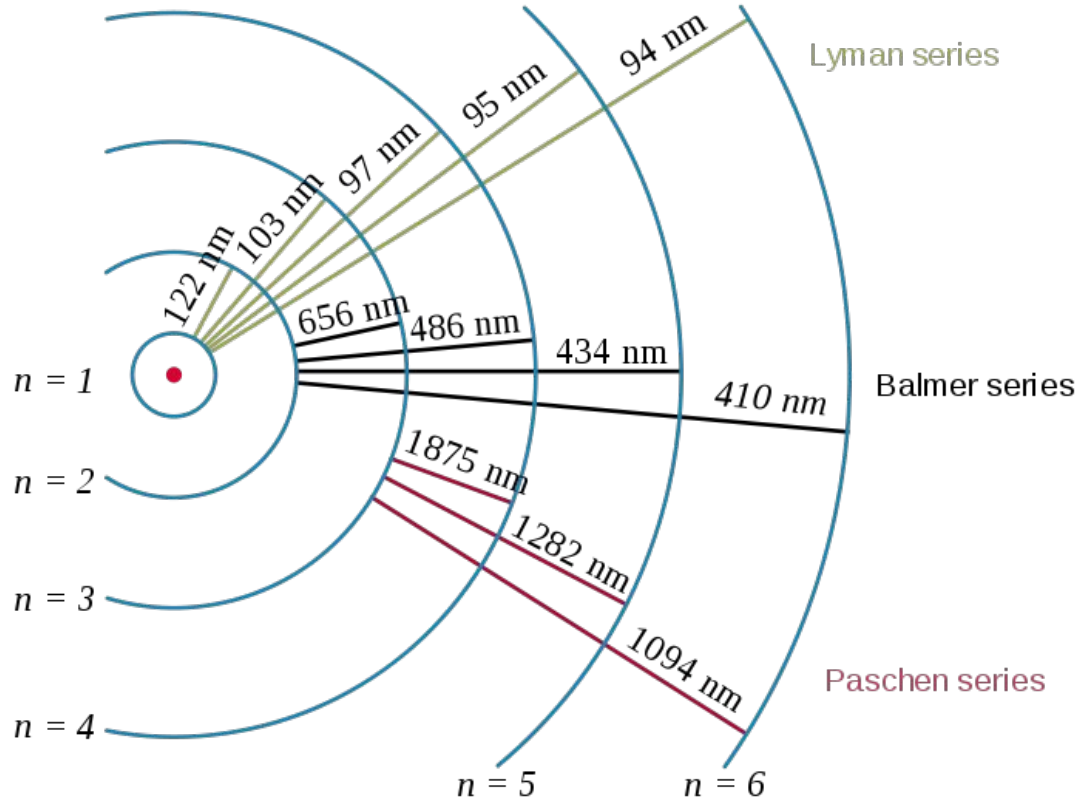


ASTR367

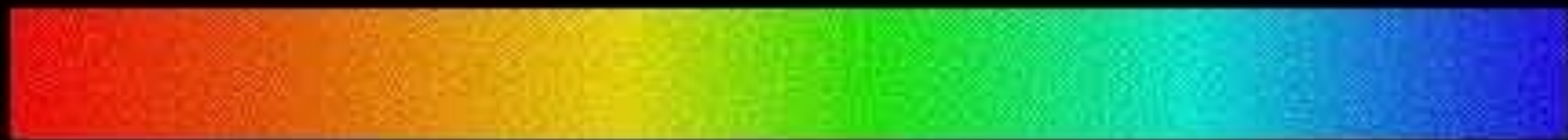
Line Emission

$H\delta$ $H\gamma$ $H\beta$ $H\alpha$ 

Hydrogen Emission/Absorption



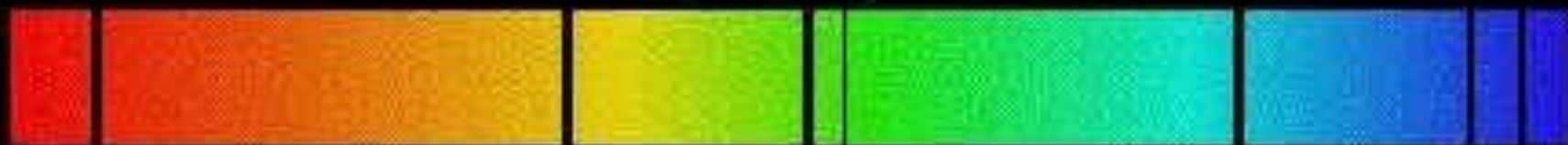
Continuous Spectrum



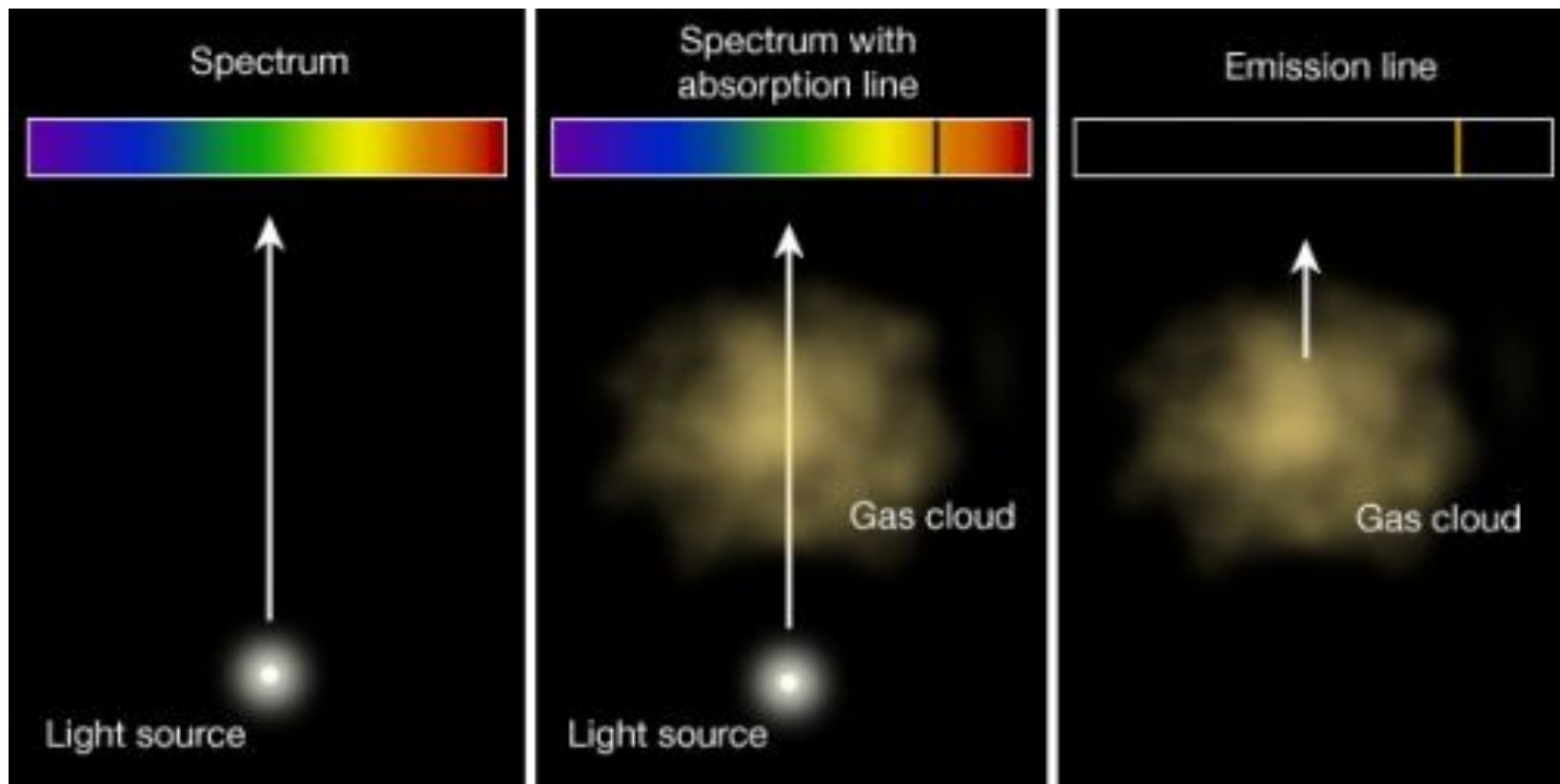
Emission Spectrum



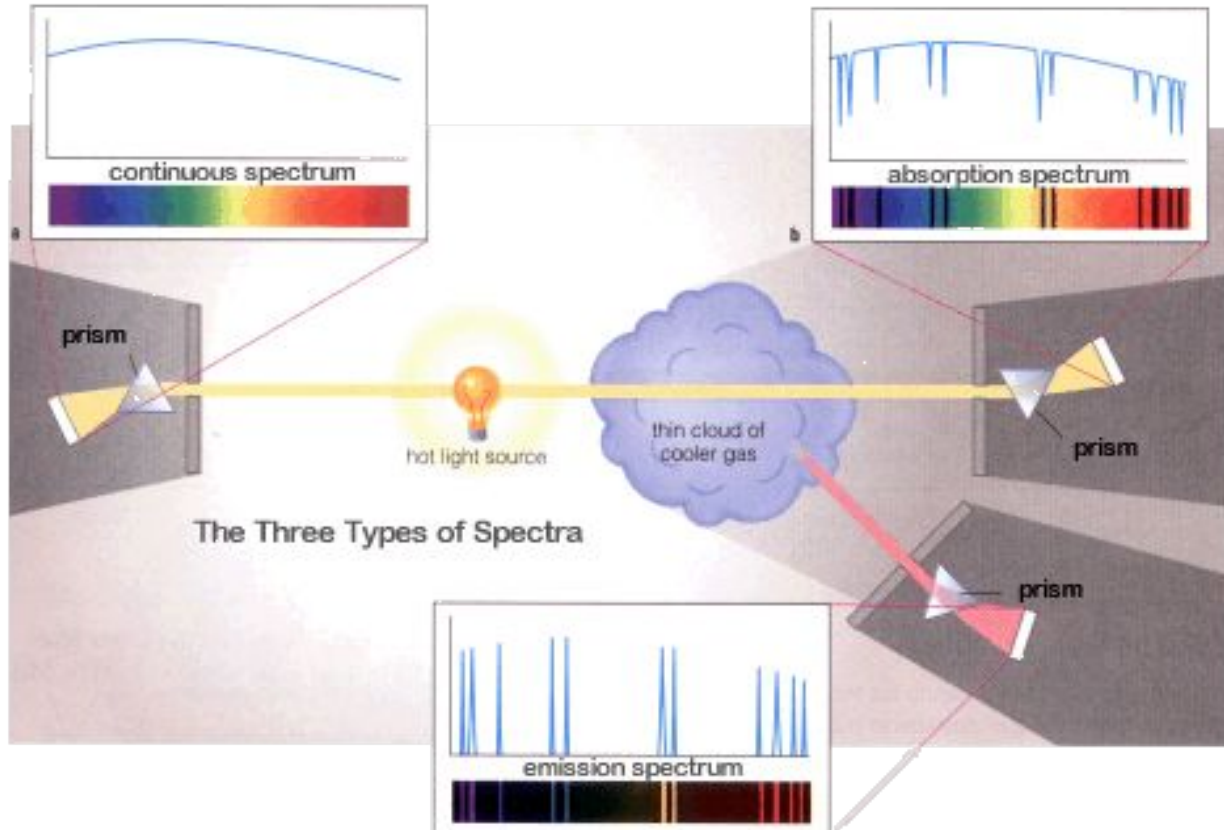
Absorption Spectrum



Kirchoff's Laws

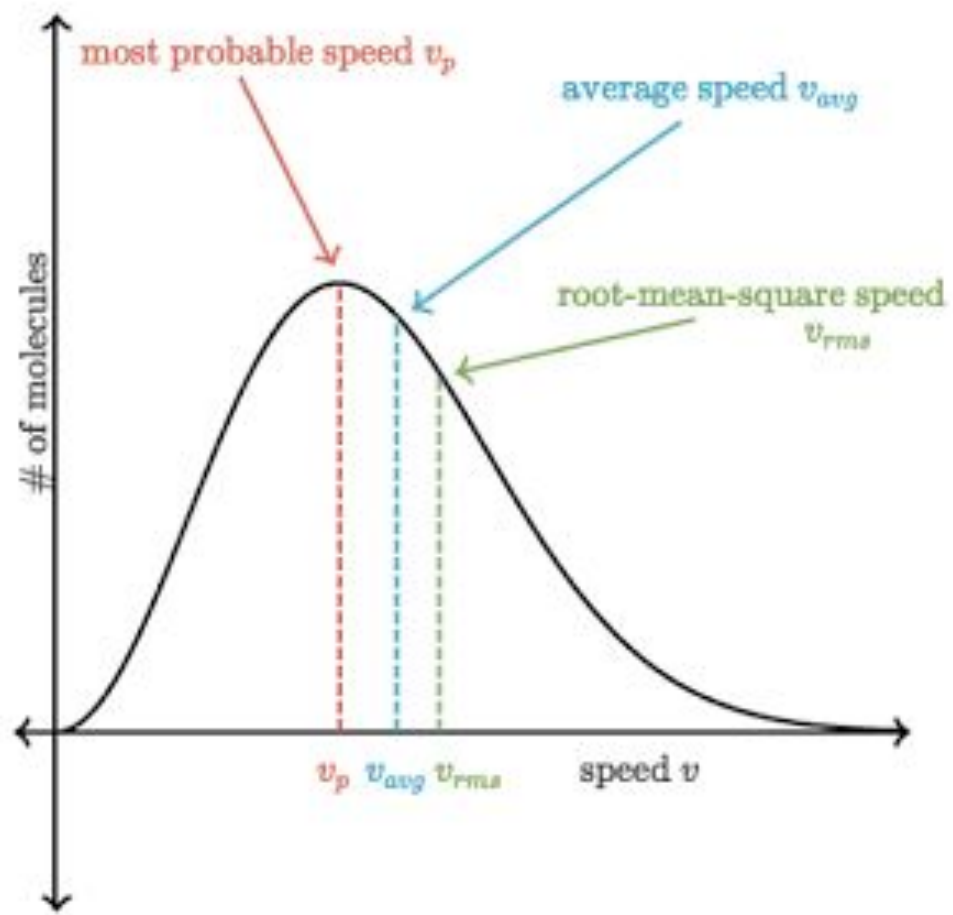


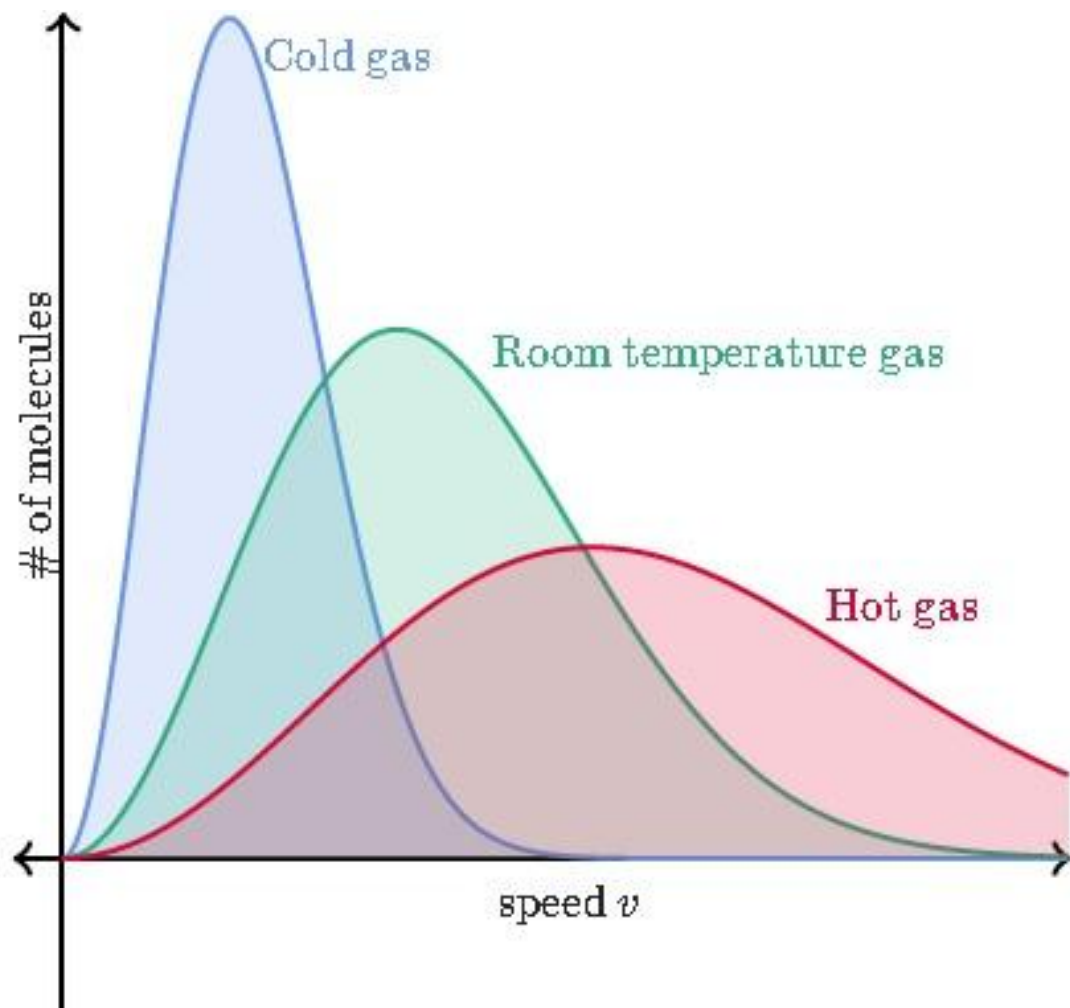
Kirchoff's Laws

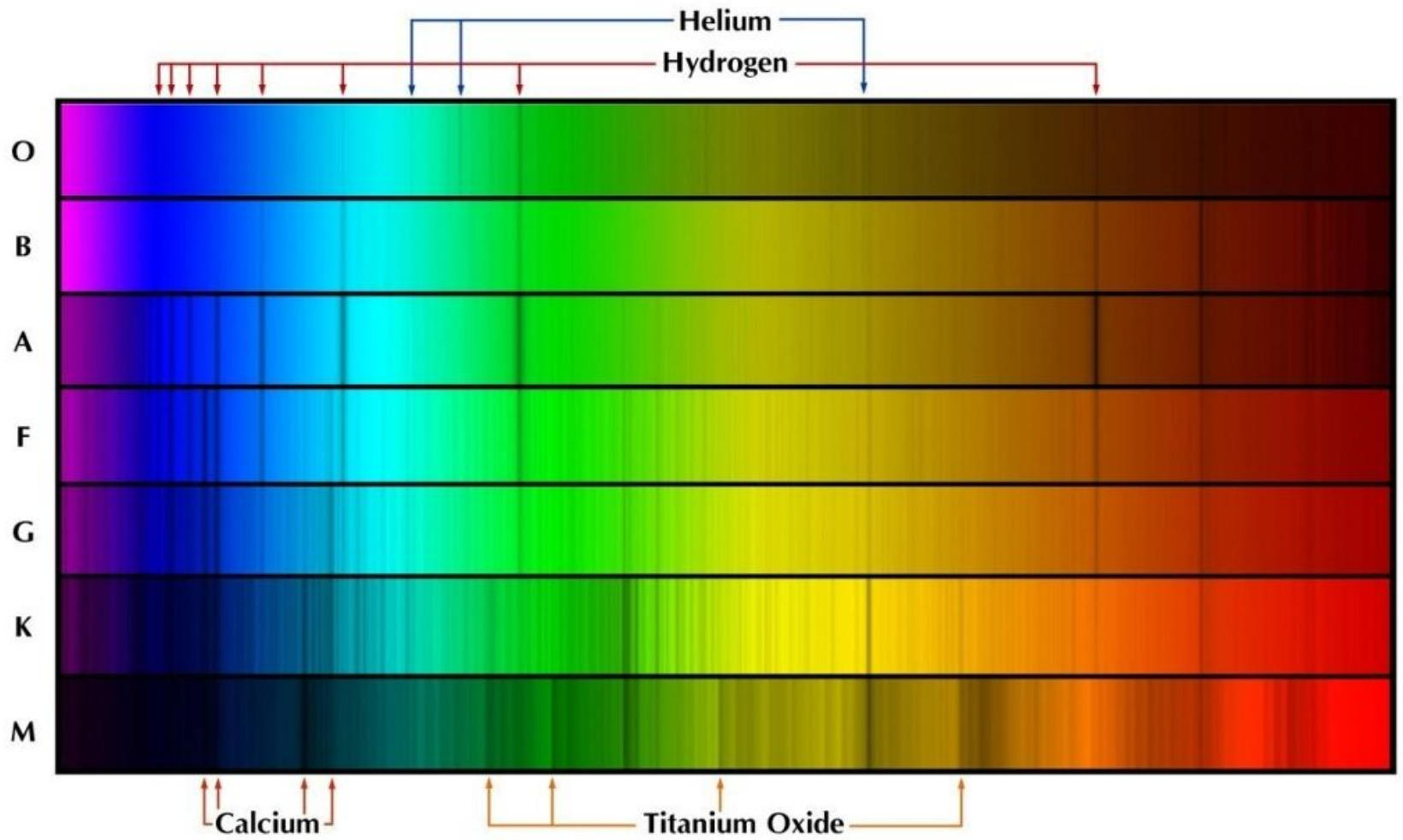


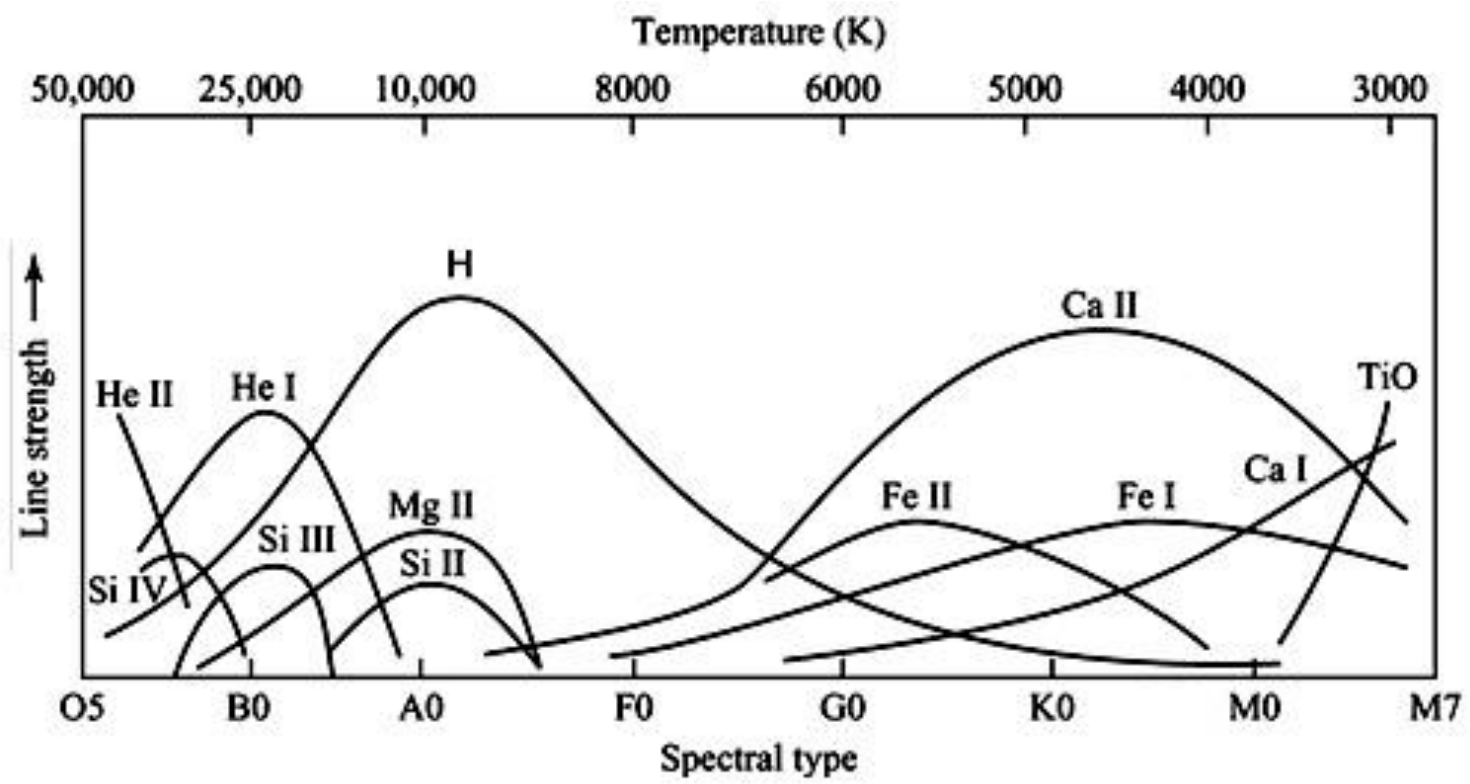
Limb Darkening

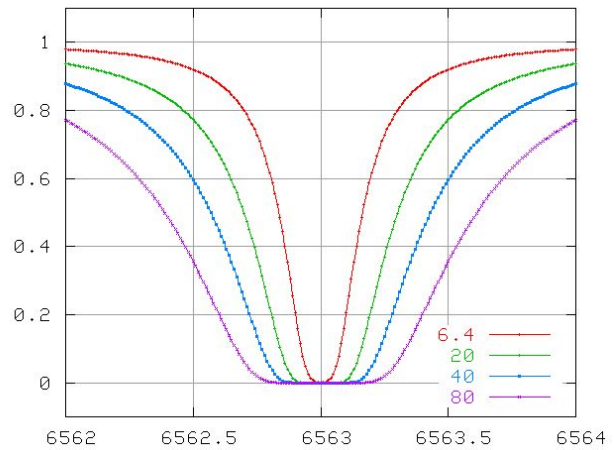
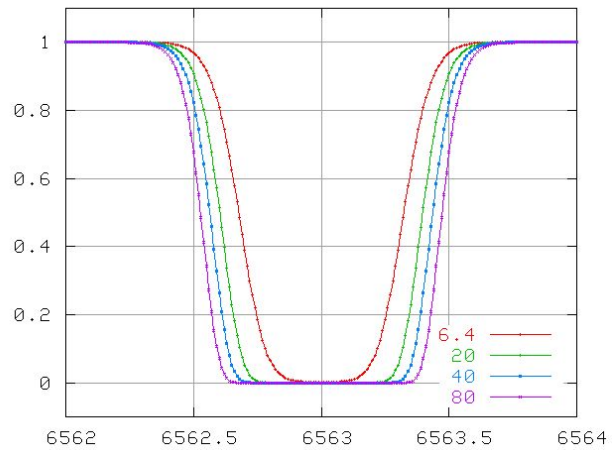
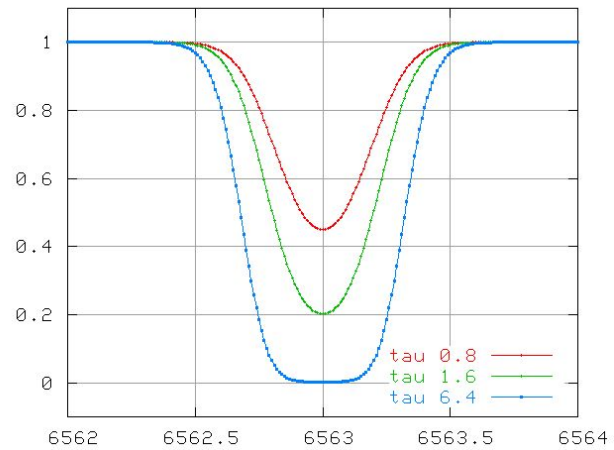












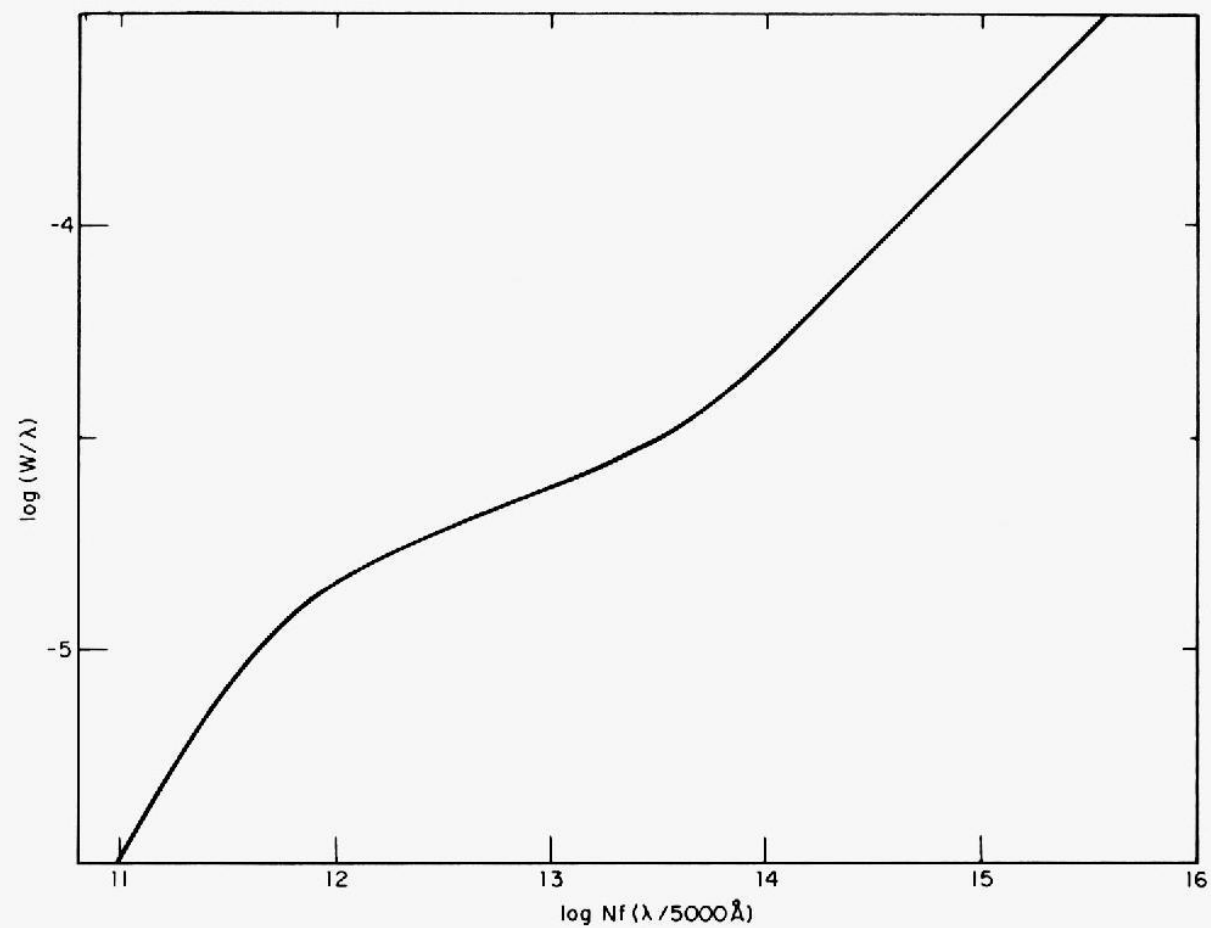


Figure 9.22 A general curve of growth for the Sun. (Figure from Aller, *Atoms, Stars, and Nebulae*, Revised Edition, Harvard University Press, Cambridge, MA, 1971.)