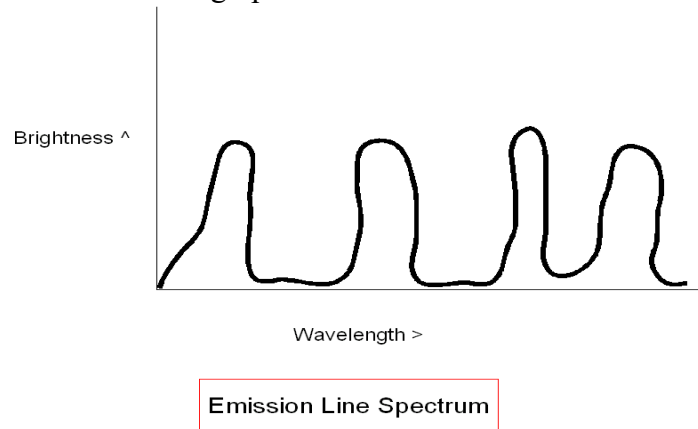


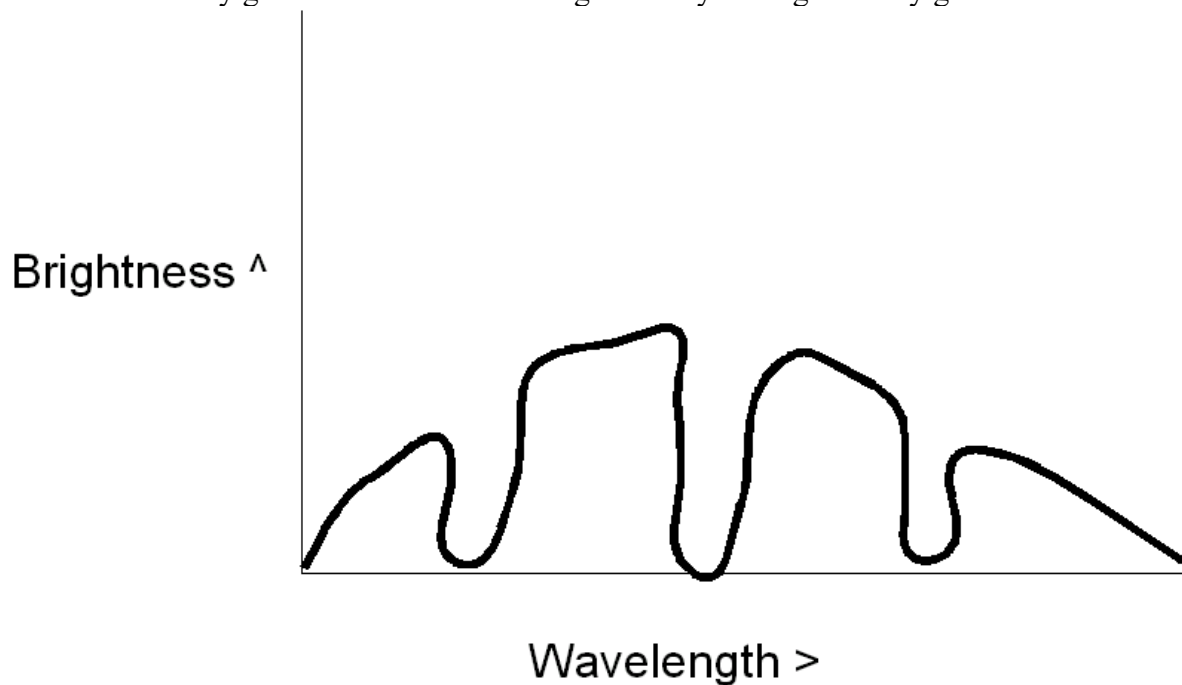
Emission Line Spectrum

1. With a low density gas, you get bright lines of a specific wavelength, called an emission line spectrum.
2. An object's spectrum is like a fingerprint.



Absorption Line Spectrum

1. An absorption line spectrum occurs when a low density gas is in front of a high density gas and the low density gas absorbs some of the light cast by the high density gas.



Emission Line Spectrum

2. The emission line spectrum is the same as the hot dense gas spectrum, except with certain wavelengths missing. These are also known as Kirchhoff's Laws and are empirical.