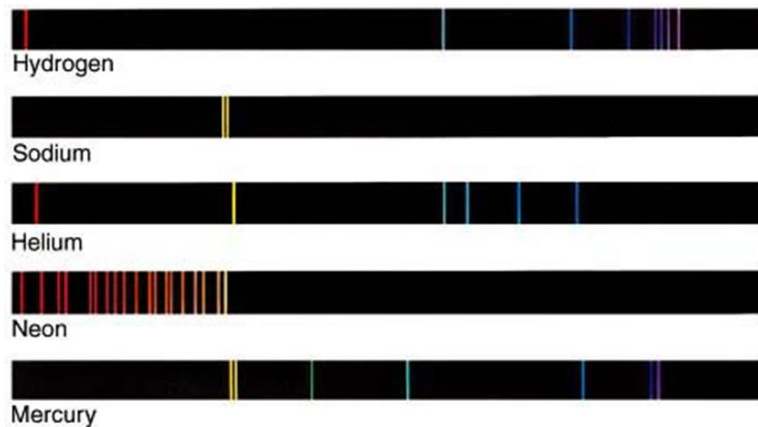


## I can use spectral data for known elements, to identify the elements present in stars

Spectral data, or emissions spectra, shows the spectrum of frequencies that different elements emit. Each element has a different emissions spectrum, as they emit different frequencies. By charting the emission spectra of stars, people can compare it to the known spectral data of different elements and find out what elements are inside a star.



This is the emission spectrum of a star.  
The star is made up of Hydrogen and Helium.



Simply compare the spectral data of the star to known spectral data of elements and the elements of the star can be identified, for example, the spectrum of the star shown to right shows to contain Hydrogen and Helium.

Spectral data can also be in the form-

