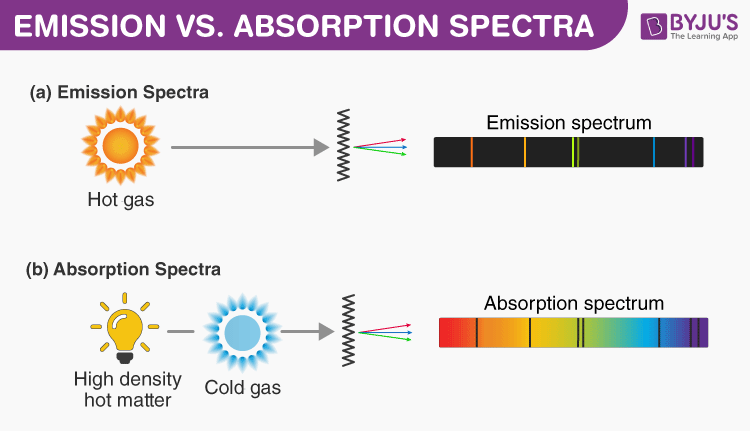
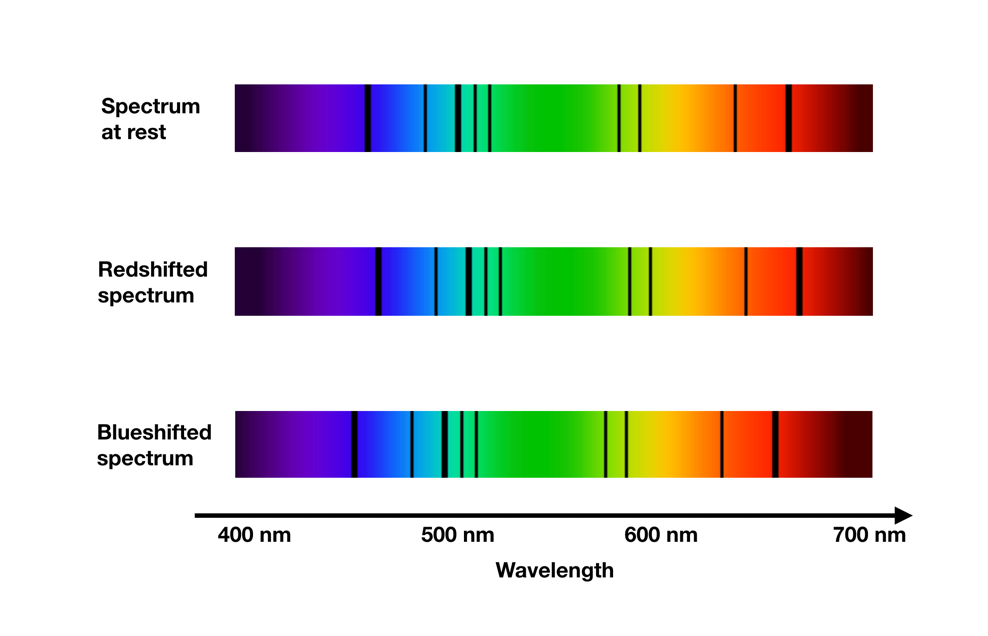
**DOPPLER EFFECT**

**Text

Description automatically generated**





If a star moves **AWAY** from the observer, a lower frequency and longer wavelength is detected. The lower frequency or longer wavelength corresponds to the red end of the spectrum.

If two objects are approaching each other: v = fλ

The wavelengths become shorter (waves become more compressed). Since the speed of sound is constant, the observed frequency will therefor increase.

**OR**

For a constant speed of sound, the observed frequency increases because the number of wave fronts per second reaching the observer increase.

**STRUCTURED QUESTIONS**

Chart

Description automatically generated with low confidence

Text, letter

Description automatically generated

Text, letter

Description automatically generated

Graphical user interface, text, application, letter, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated