

Light Spectra Worksheet

Visible Spectrum



Light source 1

Color of light: _____ Location: _____

Look through your spectrometer at the light. Mark on the spectrum below any colors that are missing from the full visible spectrum. (See page 3 for reference.) This is the light's **absorption spectrum**.



Light source 2

Color of light: _____ Location: _____

Absorption spectrum: mark the absent colors below:



Light source 3

Color of light: _____ Location: _____

Absorption spectrum: mark the absent colors below:



Light source 4

Color of light: _____ Location: _____

Absorption spectrum: mark the absent colors below:



Light source 5

Color of light: _____ Location: _____

Absorption spectrum: mark the absent colors below:



Elements table

Light bulbs are made by combining different elements together. In your spectrometer, you saw bands made by many different absorption spectrum. Were any of these elements in the light bulbs you measured?

Approximate absorption spectrums for:

