




Worksheet 3: Spectroscopy

1. Fill in the blanks with the following words in correct places in A, B, C below:
absorption, emission, continuous

what type of spectrum is each of these?

A spectrum
 A rainbow of colors, from violet to red, no gaps

B spectrum
 Bright spectral lines

C spectrum
 Dark lines over a rainbow of colors

2. Name three things that a star's spectrum can tell us

3. Define the term "Doppler Shift".

4. A star spectrum is shown below, compared to a spectrum taken in a laboratory. What can you tell about the star from this spectrum?

