NOTE:

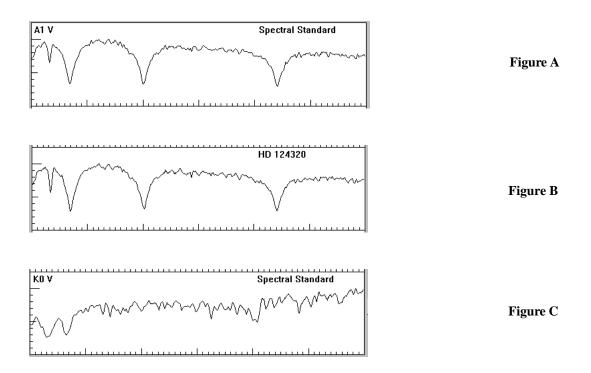
This document contains both the pre- and post- test and the pages are labeled accordingly.

The Classification of Stellar Spectra **Pre-test**

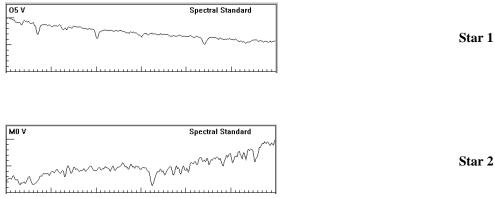
Name Date Graduation Date _____ Major _

1. How does an astronomer determine the spectral classification of a star?

2. Here are spectral displays of three stars. Which of the two are the same spectral type?

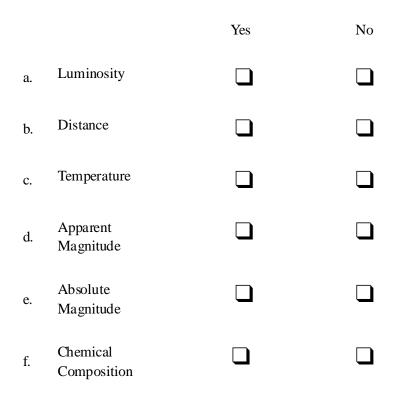


3. Using the diagram, determine which one of these two stars has the highest temperature. Circle the correct answer.



Star 1

- 4. When taking spectra, why do astronomers expose longer for faint stars than bright stars?
- 5. Two stars with the same spectral type, have the same characteristics:



6. Other than the spectra, what data does the astronomer need to have to determine the distance of a star?

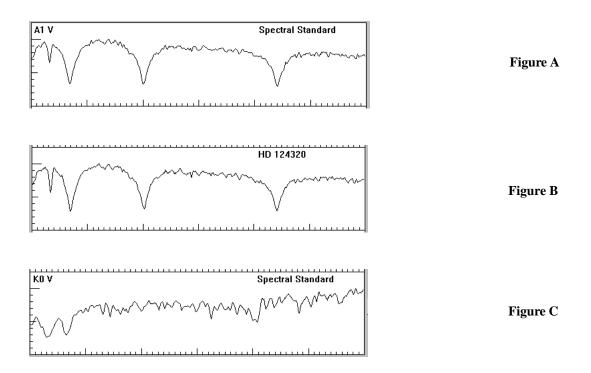
The Classification of Stellar Spectra Post-test

 Name
 Date

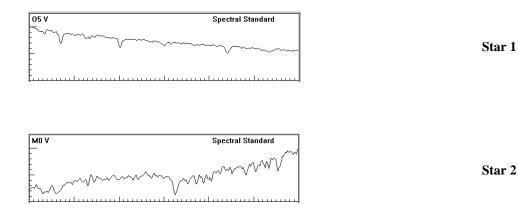
 Graduation Date
 Major

1. How does an astronomer determine the spectral classification of a star?

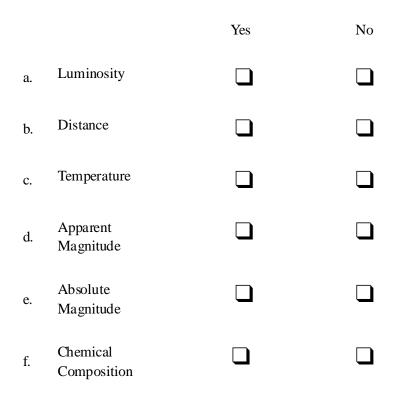
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