

PART 2

A. Use the H-R diagram to answer questions 1-15. Circle the correct answer! Please look at the chart and identify where stars a-e are located.

1. Which of the stars is oldest in terms of the life cycle? a b c d e
2. Which of the stars is (are) burning hydrogen as fuel? a b c d e
3. Which of the stars is (are) burning Helium as fuel? a b c d e
4. Which of the stars is closest to death? a b c d e
5. Which of the stars has the highest luminosity? a b c d e
6. What causes the star with the highest luminosity to be the brightest? a. surface temperature b. size
7. Which of the stars has the lowest luminosity? a b c d e
8. The star with the lowest luminosity is dimmest because of size or surface temperature? a. surface temperature b. size
9. Which has the highest surface temperature? a b c d e
10. Main Sequence stars will become Red Giants When they run out of which fuel? a. helium b. carbon c. hydrogen
11. Predict what phase Vega will enter next. a. Red Giant b. white dwarf

12-15 Right the correct name for each group labeled with large NUMBERS, 12-15

12. _____ 13. _____

14. _____ 15. _____

