

H-R Diagram Questions

1. Rank the star colors in order from hottest (1) to coolest (5).

- red
- white
- orange
- yellow
- blue

2. Most stars belong to this category: -----

3. Which star is the brightest white dwarf? -----

4. Which star is the hottest supergiant? -----

5. What color is Deneb? -----

6. What temperature is Sirius B? -----

7. This star is a red Giant. -----

8. What temperature is Barnard's Star? -----

9. Which star is the dimmest on the H-R Diagram? -----

10. In which category is the hottest star on the chart? -----

11. What color are the coolest stars? -----

12. What category of stars is hot, but not very bright? -----

13. If you know a star's color, you can determine its -----

14. 90% of all stars are classified as Main Sequence stars. What is our Sun classified as? -----

15. The H-R Diagram classifies stars based on what 2 criteria?

16. Looking at the Main Sequence category, state a relationship between these 2 criteria. -----

Use the Hertzsprung-Russell Diagram to answer these questions