

Stars Conclusions

1. How is the graph like the H-R diagram in the research section?

How is it different?

Explain any differences-

2. What category of stars is most common? Circle one
(main sequence/ giants/ super giants/ dwarfs)
3. When a star first forms it is cool and dim. Where would such a star be on the H-R diagram?
4. Look at the main sequence of the H-R diagram. Describe the relationship between a star's temperature and brightness. The hotter it is _____ and the cooler it is _____.
5. The bigger and hotter a star, the brighter it is. Look at the stars along the 8,000 C temperature line on the graph. Why do these stars have different brightnesses?
6. Suppose you know that a certain star is a main sequence, and that it has a certain temperature. How could you figure out how bright it is? (that is, absolute magnitude)