Stars: Crash Course Chemistry Video Questions

Name:

Directions. Watch the Stars video and answer these questions.

1. What colors can stars be?
2. What is a spectrum?
3. What 2 types of spectra do stars give off?
4. What system did Annie Jump Cannon create? How are stars classified?
5. What color stars are the hottest? What color stars are the coolest?
6. According to Cecilia Payne-Gaposchkin, what 2 things are the spectra of stars dependent upon?
7. What 2 elements make up the composition of stars?
8. What is the surface temperature of the Sun and what type of star is it?
9. Why are there no green stars? What color do we see it as?
10. Why do sunsets look red?
11. What does luminosity depend upon?
12. What is the H-R diagram?
13. What are main sequence stars?
14. What are white dwarfs?
15. Can a star change its position on the H-R diagram?