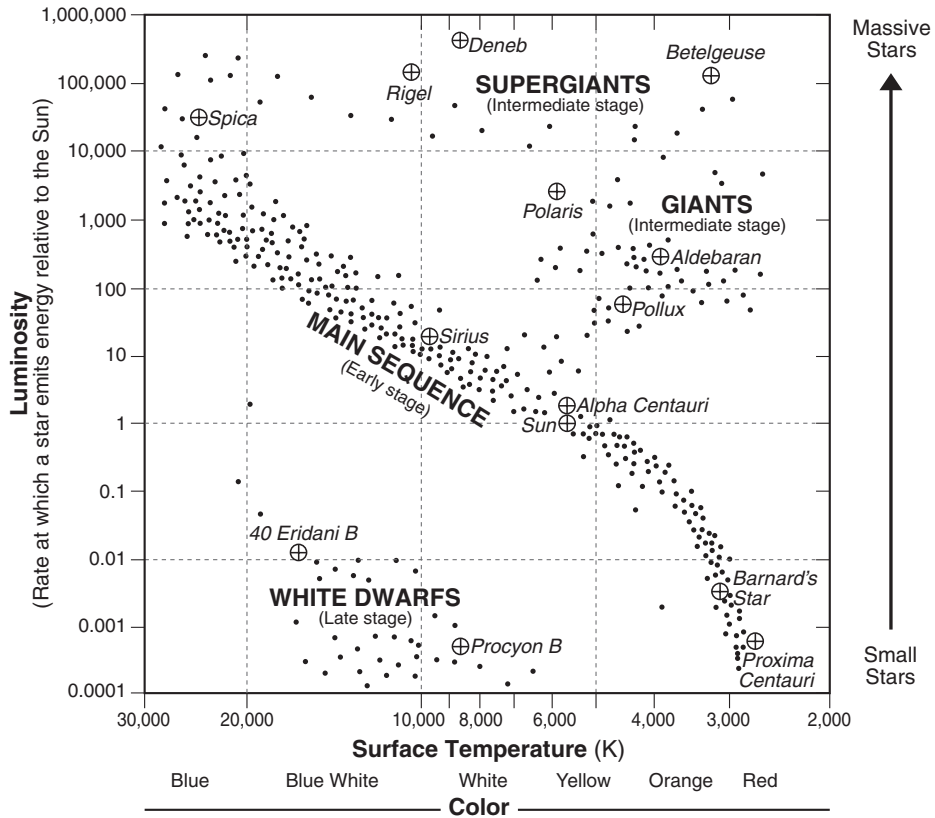


Name: _____

Period: _____

The Temperature and Luminosity of Stars



1. What color is Polaris? _____
2. What temperature is Rigel? _____
3. How bright (luminous) is Sirius? _____
4. List three stars on the Main Sequence: _____
5. How is Alpha Centauri different from the Sun? _____
6. Is Procyon B an old star or a young star? _____
7. As luminosity increases on the Main Sequence, the temperature of the stars _____.
8. Which stage of life is the Sun currently in? _____
9. What is the largest star on the chart? _____
10. As star color changes from red to white to blue, star temperature _____.
11. What color are the small stars on the Main Sequence? _____
12. What is the name of the brightest white dwarf? _____
13. Name two supergiants: _____
14. Name one very young star on the chart: _____
15. How can 40 Eridani B be so much hotter than Betelgeuse, but also much less bright?
