

Stellar Properties of _____

Choose a star from the list. For your star, look up the following information.

Type up on a separate page. Give references.

- 1. Alternate names**
- 2. Constellation**
- 3. Distance (in pc or ly)**
- 4. Absolute magnitude, M, and luminosity, L (in solar units)**
- 5. Relative (or apparent) magnitude, m. (A measure of flux.)**
- 6. Surface Temperature**
- 7. Color Index (e.g., B-V=0.6)**
- 8. Color description (e.g., "bluish white")**
- 9. Spectral Type and Luminosity class**
- 10. Radius (in solar units)**
- 11. Mass (in solar units)**
- 12. Expected Lifetime (on Main Sequence, not current age)**
- 13. Proper motion (tangential velocity in "/year)**
- 14. Radial motion (in km/s)**
- 15. Is it part of a binary or multiple star system?**

1. Alpha Centauri A	11. Eta Draconis	21. Rigel
2. Antares	12. Formalaut	22. Sirius A
3. Arcturus	13. Mira (Omicron Ceti)	23. Sirius B
4. Barnard's Star	14. Mizar	24. Spica
5. Bellatrix	15. Mu Cephei	25. Vega
6. Betelgeuse	16. Polaris	26. Vindemiatrix
7. Canopus	17. Procyon	27. VY Canis Majoris
8. Delta Cephei	18. Proxima Centauri	28. Zubeneshemali
9. Deneb	19. Rastaban	29.
10. Eta Carina	20. Regulus	30.