**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 25 Review**

1. **What is a star made of?**
2. **What is the closest star to earth?**
3. **What is the closest star to earth besides the sun?**
4. **What type of reaction fuels a star’s life?**
5. **How is a star held together?**
6. **What is parallax?**
7. **Do distant or nearer stars have larger parallax angles?**
8. **What does the term light year mean?**
9. **Where is the center of mass between a binary star system if the two stars are of equal mass?**
10. **Where is the center of mass between a binary star system if one star is larger than the other?**
11. **Do more negative or more positive numbers indicate a brighter star?**
12. **What is magnitude?**
13. **What is the difference between apparent and absolute magnitude?**
14. **How do we remember the order of stars from hottest to coldest?**
15. **Which star class is the hottest and what is its color?**
16. **Which class of star does the sun belong to?**
17. **I have 4 stars of different classes-M, F, K, B. Which is the hottest? Which is the coldest?**
18. **Where do I find white dwarfs on an H-R Diagram?**
19. **Where do I find red giants and supergiants on the H-R Diagram?**
20. **What is a Cepheid variable star?**
21. **How do scientists think novas form?**
22. **What is a nebula?**
23. **What is the difference between a bright and dark nebula?**
24. **What is the difference between a emission and reflection nebula?**
25. **What do all stars begin their lives as?**
26. **When does a star move from the protostar to its main sequence phase?**
27. **Which type of star will live the longest?**
28. **Where does a star spend most of its life?**
29. **What phase comes after the main sequence phase in low mass stars?**
30. **What phase comes after the main sequence phase in average and massive stars?**
31. **Why do average mass and massive stars have giant phases?**
32. **What two things are formed after a red giant runs out of fuel?**
33. **What results after a white dwarf is formed?**
34. **What is the difference between a black and white dwarf?**
35. **What occurs after a massive star goes through its red supergiant phase?**
36. **What two events could possibly occur after a supernova explosion?**
37. **What is a galaxy and what are the three types?**
38. **How are galaxies classified?**
39. **What type of galaxy is the majority type of known galaxies?**
40. **What is the difference between an elliptical and irregular galaxy?**
41. **How many distinct arms does the Milky Way galaxy have?**
42. **Where does the solar system lie in the Milky Way galaxy?**
43. **How are new stars formed in the galaxy?**
44. **What are thought to be the largest structures in the universe?**
45. **What is the universe mostly made of?**
46. **How long ago did the big bang happen?**
47. **What does Hubble’s law state?**
48. **What are the two pieces of evidence that support the big bang theory?**
49. **What does the fate of the universe depend on?**
50. **What are the three possible outcomes for the future of the universe?**