**Guided Reading – Ch. 40**

**Pages 726 – 728**

|  |  |
| --- | --- |
| Pg. 726-727: What is the correlation between size and lifespan?  How long will out sun live?  What can we calculate from binary stars?  If Nemesis exists, what are some facts about it that the book lists?  What is the TPF?  What is the theory for why other life forms haven’t contacted us? |  |
| *Pg. 727 Death of Stars:* What do all stars burn?  When does life begin and end for a star?  What is fusing in a star?  How long can stars live? What determines this?  How does a Red Giant form?  What will happen to Earth when our sun turns into a Red Giant?  How do Planetary Nebulas form?  What is a white dwarf?  How much does a teaspoon of white dwarf weigh?  What is a black dwarf?  How dense is a black dwarf?  Describe a nova. |  |