**Chapter 3 Questions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Directions: CLOSE read the assigned reading and answer the questions. To receive full credit for this assignment you must answer the following questions AND list the paragraph number and page number where you found your answer.*

**Section 3 CLOSE Read pages 104-109**

**1. Now I know that the force of gravity depends on \_\_\_\_\_\_**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**2. What two factors keep a planet in orbit around the sun?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**3. What keeps Earth from falling into the sun?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**4.  How would a planet move if the sun suddenly disappeared? Explain**.

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**5. Now I know that objects are kept in orbit by**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**Section 5 CLOSE Read pages 117-121**

6.  How does a star form from a nebula?

**7. What factor determines how long a star lives?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**8. A star is twice as massive as the sun. How will its lifespan compare?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**9. Now I know that stars are born when**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**10.   What determines if a star becomes a white dwarf, neutron star, or black hole?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**11. Will the sun become a white dwarf, neutron star, or black hole?**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_

**12. Now I know that after a star runs out of fuel, it becomes**

Paragraph Number\_\_\_\_\_\_\_\_\_\_\_ Page Number \_\_\_\_\_\_\_\_\_\_\_\_