**Chapter 3 “Stars and Galaxies” Study Guide**

This test will have the following three parts: (4) Vocabulary Questions, (15) multiple choice questions and (2) written response questions.

Read the chapter as a review and study the questions below:

1. Know the definition of the following words: Galaxies, Dark Matter, Big Bang Theory and Doppler Shift. (Refer to lesson 4)
2. Know all the layers of the Sun. (Refer to Figure 6 pg 104)
3. What are the three galaxies?
4. Arrange the following objects from largest to smallest: (Galaxy, Universe, Stars, Galaxy Cluster)
5. What makes up most of the Sun? (Hydrogen or Helium?)
6. Understand what a Sunspot is. (Refer to Table 1 pg 105)
7. Understand what a Solar wind is. (Refer to Table 1 pg 105)
8. What is a corona and how long does its irregular shape extend to?
9. What is the meaning of a convection zone?
10. How do scientists divide the sky?
11. What is the average distance between Earth and the Sun?
12. Differentiate between the main-sequence and the red giant. (Refer to figure 9 pg 107)
13. What does nuclear fusion do to a star?
14. What is an apparent magnitude?
15. Difference between telescope and spectroscope?
16. What is a nebula?