Space Quiz Study Guide Key

1. Scientists think that our universe is approximately \_\_10\_\_ to \_\_15\_\_ billion years old.
2. One piece of evidence that supports the big bang theory is the observation that most

 galaxies are moving \_away from one another\_\_\_.
3. The theory astronomers have developed to describe the formation of the universe is

 called the \_\_Big Bang Theory\_\_\_\_\_.
4. What type of galaxy is the Milky Way Galaxy? \_\_\_\_\_a spiral galaxy\_\_\_
5. What does the prefix “helio” mean? \_\_\_\_\_\_\_\_\_sun\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What do we call the space measurement that is equal to the distance of The Earth to the Sun? \_\_\_Astronomical Units \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. The geocentric theory states that the \_\_\_\_\_Earth\_\_\_\_ is located in the center of our solar system.
8. The \_\_heliocentric\_\_ Theory states that the sun is in the center of our solar system.
9. Order these from smallest to largest: solar system, planet, universe, galaxy

 \_\_planet\_\_ \_\_\_\_\_solar system\_\_ \_\_\_\_galaxy\_\_ \_\_universe\_\_
10. The three types of galaxies are:

\_\_\_Spiral\_\_\_ \_\_\_\_elliptical\_\_\_\_\_ \_\_irregular\_\_\_



1. Our solar system is located in the \_\_outer arm or edge\_\_\_ of the Milky Way Galaxy.

 *(fill in blank and draw picture in box. Draw the Milky Way Galaxy. Place . a heart where our solar system would be located.)*
2. The Milky Way is the \_\_galaxy\_\_ in which our \_\_\_\_solar system\_\_\_\_\_ is located.
3. A theory is backed up by \_\_\_evidence\_\_\_\_\_\_\_\_\_.
4. What includes all the seen and unseen material in space? \_\_\_Universe\_\_\_\_\_
5. Copernicus changed the model of our solar system by stating the Earth orbited the Sun. This changed the thought that the \_\_Earth\_\_\_\_ was no longer the center of the universe.