

Chapter 24

STUDY GUIDE

Text Pages 691–697

Galaxies and the Expanding Universe

Write the term that matches each description in the spaces provided. Place one letter in each space. One letter has been given for each answer.

1. _____ A _____
2. _____ S _____
3. _____ G _____
4. _____ A _____
5. _____ X _____
6. _____ E _____
7. _____ I _____
8. _____ L _____

1. This is the name of the galaxy in which you live.
2. Scientists determined this was expanding by using the spectrograph.
3. This cluster of galaxies is made up of about twenty-five galaxies including the Milky Way.
4. According to this theory, billions of years ago the universe began expanding out of an enormous explosion.
5. This class of galaxies includes football-shaped galaxies.
6. These galaxies are usually small and have many different shapes.
7. These galaxies have arms winding outward from inner regions.
8. This is the change of color on the spectrograph as objects move toward or away from other objects.

Write the clue letters that were given in the answers: _____

Rearrange the letters to form a word for the groups of stars, dust, and gas held together by gravity.
