Galaxies

CLASS NOTES

• Galaxy - ________________________________
  • Average galaxies have around ________ billion stars
  • Space contains several billion galaxies that glow from the combined light of all the stars
  • Galaxies have been classified by the following:
    • ________________________________
    • ________________________________
    • ________________________________

• Irregular - ________________________________
  • Less common than other types of galaxies
  • Peculiar - a type of irregular galaxy that are abnormal in size, shape or content
    • May be a result of galactic interactions

• Elliptical - ________________________________

• Spiral - ________________________________

• Milky Way - ________________________________

• Local Group - small group of ____________ galaxies around the Milky Way
PART I QUESTIONS: MULTIPLE CHOICE

The diagram below represents a side view of the Milky Way Galaxy.

1. At approximately which position is Earth’s solar system located?
   a. A  
   b. B  
   c. C  
   d. D

2. The Milky Way galaxy is best described as
   a. a type of solar system  
   b. a constellation visible to everyone on Earth  
   c. a region in space between the orbits of Mars and Jupiter  
   d. a spiral-shaped formation composed of billions of stars

3. Earth, the Sun, and billions of stars are contained within
   a. a single constellation  
   b. the Milky Way galaxy  
   c. the solar system  
   d. a giant cloud of gas

4. Most scientists believe the Milky Way Galaxy is
   a. spherical in shape  
   b. 4.6 billion years old  
   c. composed of stars revolving around Earth  
   d. one of billions of galaxies in the universe

5. Which sequence correctly lists the relative sizes from smallest to largest?
   a. our solar system, universe, Milky Way Galaxy  
   b. our solar system, Milky Way Galaxy, universe  
   c. Milky Way Galaxy, our solar system, universe  
   d. Milky Way Galaxy, universe, our solar system