**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 25.3 Homework**

1. **What is a galaxy?**
2. **How are galaxies classified?**
3. **What percentage of all galaxies are spiral?**
4. **What kind of stars do spiral galaxies contain?**
5. **What kind of spiral galaxy is the Milky Way considered?**
6. **What is in between stars in spiral galaxies and why is it important?**
7. **Why is the size of the Milky Way hard to study?**
8. **How many distinct arms does the Milky Way galaxy have?**
9. **Where is our solar system located in the Milky Way galaxy?**
10. **What percentage of all galaxies are elliptical in shape?**
11. **What does an elliptical galaxy look like?**
12. **What kind of stars do elliptical galaxies contain?**
13. **What type of galaxy contains only 10% of known galaxies?**
14. **What kind of stars are found in irregular galaxies?**
15. **What type of galaxy is home to the largest galaxy in diameter?**
16. **What is a galaxy cluster?**
17. **What galaxy cluster in the Milky Way located in?**
18. **What are superclusters?**
19. **What is most of the universe made of?**
20. **What is a red shift?**
21. **What does Hubble’s Law state?**
22. **What does Hubbles’s Law support about how the universe is evolving?**
23. **What does the big bang theory say?**
24. **What are the 2 main points that support the Big Bang Theory?**
25. **What are the three possible outcomes of the universe?**
26. **What does the fate of the universe depend on?**
27. **What happens if we have too much mass? What is this also sometimes referred to as?**
28. **What happens if we have not enough mass?**
29. **What happens if we have just the right about of mass?**
30. **After analyzing background radiation, what type of matter makes up 23% of the u universe? What is its significance and where does it come from?**