Universe:
The Milky Way Galaxy

1. When did the Milky Way begin? _____________________________________________________

2. Where does its name come from? __________________________________________________

3. What do we see when we look in the sky? ___________________________________________

4. What does our galaxy look like from the top down? ___________________________________

5. Where is Earth in the Milky Way? __________________________________________________

6. How long does it take for us to go around the Milky Way? _____________________________

7. What are the 2 galaxies closest to us? _______________________________________________

8. What are “globular clusters”? _____________________________________________________

9. What are the 4 basic galaxy shapes?
   1. _____________________________________________
   2. _____________________________________________
   3. _____________________________________________
   4. _____________________________________________

10. Why are elliptical galaxies so large? _______________________________________________

11. What goes through the center of our galaxy? _________________________________________

12. What is at the center of the Milky Way? ____________________________________________

13. What is blocking our view of all of our stars? ________________________________________

14. How do we penetrate this “space dust”? _____________________________________________

15. What is the mission of the Spitzer satellite? _________________________________________

16. Which wavelengths do we need to see all of our galaxy and others? ________________________

17. How do we know what our galaxy looks like?
   _______________________________________________________________________________

18. How many “arms” do we have? ____________________________________________________
19. Where is Earth located? __________________________________________________________

20. What are Nebulae? ________________________________________________________________

21. How are stars “recycled”? __________________________________________________________

22. What is unique about Mira A? _______________________________________________________

23. What is the power that drives the galaxy? _____________________________________________

24. How did we originally find the center of our galaxy? ___________________________________

25. What is happening around the black hole? _____________________________________________

26. What are binary stars? ______________________________________________________________

27. What happens to stars that get too close to the black hole? _____________________________

28. How many times has the Earth gone around the galaxy? _________________________________

29. What are we possibly going to collide with? ___________________________________________

30. What will be the result of the collision? ______________________________________________

31. What is a star burst galaxy? _______________________________________________________