**Space Odyssey – Episode 1**

1. How many astronauts went on this trip?
2. Why is it important to have scientists to go on missions, not just astronauts?
3. Which planet will be first?
4. Does it ever rain on Venus? Why or why not?
5. What is the suite made of for the one on Venus and why?
6. What is their primary goal in visiting Venus?
7. How long is this mission going to last approximately?
8. Which day do the encounter Venus?
9. Was Orpheus able to land on Venus?
10. What happened to one of the cameras what they were trying to measure seismic activity?
11. Why do you think the astronaut’s heart-rate is so high?
12. How big is Pegasus?
13. How many of the probes sent to Mars have failed?
14. Why is the fact that Mars has one-tenth the atmosphere of Earth a problem when trying to land?
15. Why is there a lot of wind on Mars?
16. What are they searching for at the bottom of the canyon?
17. Why do they not design a mission with just robots?
18. How are they going to travel from Mars to Jupiter?
19. What are they worried about when they pass by the Sun?
20. What are they worried about flying by now that they are on their way to Jupiter?
21. Were they any were near accurate in their fly by calculations?
22. Can you hear Jupiter?
23. What do you think will most likely happen when they reach Jupiter?
24. How many astronauts went on this trip? 5
25. Why is it important to have scientists to go on missions, not just astronauts?
26. Which planet will be first? Venus
27. Does it ever rain on Venus? No, it’s too hot
28. What is the suite made of for the one on Venus and why? Titanium to withstand the pressure
29. What is their primary goal in visiting Venus? To find life
30. How long is this mission going to last approximately? 6 years
31. Which day do the encounter Venus? Day 41
32. Was Orpheus able to land on Venus? Yes
33. What happened to one of the cameras what they were trying to measure seismic activity? It exploded because of the pressure
34. Why do you think the astronaut’s heart-rate is so high? Because of the increased pressure and gravity.
35. How big is Pegasus? 12 football fields
36. How many of the probes sent to Mars have failed? Over ½
37. Why is the fact that Mars has one-tenth the atmosphere of Earth a problem when trying to land? Because there isn’t a lot in the air to slow you down
38. Why is there a lot of wind on Mars? Because the temperature difference in the day and night, so there are pressure differences
39. What are they searching for at the bottom of the canyon? Water
40. Why do they not design a mission with just robots? Because there is no much dust and the robots are solar powered.
41. How are they going to travel from Mars to Jupiter? Fly by the Sun in order to use it’s gravity to catapult them out to Jupiter
42. What are they worried about when they pass by the Sun? Solar flares
43. What are they worried about flying by? Asteroids
44. Were they any were near accurate in their fly by calculations? They thought it would be 1 km away but it was about 928 meters away… so NO!!
45. Can you hear Jupiter? Yes
46. What do you think will most likely happen when they reach Jupiter? They will not be able to land because there is no rocky surface on Jupiter!