

These questions were developed from [watching this video](#) to spark curiosity.

1. How will they know if ice/water is safe to drink?
2. How will they get resources?
3. How will they know how to repair injuries?
4. How will they know if “things” are safe?
5. Will there be sharp objects?
6. How many trips will it take to bring objects to the moon?
7. How can astronauts travel to and from space in a short time?
8. How will they be safe from radiation?
9. How will they live with no atmosphere?
10. Do structures have to be heavy?
11. How many vehicles are needed?
12. How does their program work?
13. What are backup plans if things don't work?
14. What are dangers and priorities?
15. Why did they choose where they are landing on the moon?
16. What kind of jobs will astronauts have?
17. How long is the training for astronauts?
18. How much sunlight reaches the crater?
19. What medical procedures will they have?
20. How to transport solar panels?
21. Is it hot/cold on the moon?
22. How expensive is the project?
23. How will they get the structures on the moon?
24. How will they stay protected?
25. How will they fix things that break?
26. How will they keep a steady supply of food?
27. Why a week for the mission?
28. What were the criteria for the location?
29. How big is the base?
30. What will motivate the astronauts to stay at the base?
31. What is the budget of the mission?
32. What are the tools used to research the planet?
33. How does NASA get so much money?
34. How many solar panels are needed to power a colony?
35. What materials will be brought to the moon and used?
36. What materials will stay on the moon?
37. How long does it take to get to the moon?
38. How much radiation?
39. What type of technology will they use?
40. How will they get access to oxygen?
41. How will they transport all resources?

42. If there is a supply shortage will three days be enough to reach them?
43. How do they know where to place the panels?
44. What does astronaut training consist of for this mission?
45. What is the plan for communication?
46. How will they build things on the moon?
47. Will they send equipment from earth to moon?
48. How will they have power to build?
49. What types of protection for radiation are needed?
50. How will they build all of these things?

After doing some research into these questions a fact was shared about how an asteroid the size of a pebble could go right through the astronaut body. This lead to a great conversation on what would happen with the blood? Would it splatter? Drip? Suspend in air? This sparked conversation around gravity and liquids and does density matter and how to handle materials in space.