

Mission Particulars

1. Read FYI: *Studying Planets & Moons Through Space Missions*. Complete the reading guide and questions.
2. Roll a d20 (20 sided die) twice and write those two numbers down here: _____
3. Show your numbers to your teacher and choose the one that matches the mission of your choice according to their table. Write down the mission name and solar system body associated with your two missions:

Mission	Solar System Body
1.	
2.	

4. Prepare two index cards with information about your two missions. Use the internet and search for information about your missions to include on your index card.

As you search, but aware of the likely reliability of the websites you get information from. One way to do this is to limit search results to just NASA websites or just university websites. Say for example you were searching for the Pioneer 10 mission to Jupiter...you could enter the following search string into Google: "Pioneer 10 site:.nasa.gov" or "Pioneer 10 site:.edu" and Google would only return results from websites with a .nasa.gov or .edu address.

Include the following information on each card:

- What was the mission called?
 - Which country or countries sent the mission?
 - Which world(s) did the mission study?
 - When was the mission launched and when did it reach its world or worlds?
 - What type or types of techniques were involved—flyby, orbiter, lander, rover, or human spaceflight?
5. Now that you know something about your two space missions, **choose one** of the two to investigate in more detail. You will prepare a creative Google Presentation about your space mission to share with the other students in the course. Your presentation should include the following:
 - What was the stated purpose of the mission?
 - What, if anything, was innovative about the mission?
 - What is one thing that this mission discovered?
 - In what ways was the mission successful? In what ways was it not successful?
 - Image(s) of the spacecraft, lander, or other mission equipment.
 - Sample images and/or other data gathered by the mission.
 - A resources slide that includes links to websites or other resources you used.

Number	Planet/Body	Mission	Notes
1	Mercury	Mariner 10	
2	Mercury	MESSENGER	
3	Venus	Magellan	
4	Venus	Venera missions	
5	Earth	ISS	
6	Moon	Apollo 17	
7	Bennu	OSIRIS-REx	
8	Mars	Viking 1 & 2	
9	Mars	Pathfinder/Sojourner	
10	Mars	Curiosity	
11	Mars	MAVEN	
12	Ceres	Dawn	
13	Jupiter	Galileo	
14	Jupiter	Juno	
15	Saturn	Cassini	
16	Titan	Huygens (Cassini)	
17	Uranus	Voyager 2	
18	Neptune	Voyager 2	
19	Pluto	New Horizons	
20	67P Comet	Rosetta	