



Go to http://www.nasa.gov/mission_pages/station/research/ops/research_student.html to learn about the International Space Station. Explore NASA's **website** and use a keyword **search** if necessary to answer questions 8 and 9.

8. What is the main purpose of the ISS?

9. Name the five international partners who operate the ISS.



Go to <https://www.youtube.com/watch?v=pSTp2KOxIOM> to watch the *The Science Channel's* **video** "Life in Space: Living on the ISS."

10. Describe how some common daily activities are different for astronauts living on the ISS.



For questions 11-12, go to <http://spaceplace.nasa.gov/mars-adventure2/> to NASA's "Did You Go on a Mars Adventure Yet?" **website**.

11. What are two signs that show Mars once had a water supply?

6.

Cold War Space Race

Milestone	Date	Country	Astronauts
1st Satellite in Orbit	Oct. 4, 1957	USSR	none
1st Man in Space	April 12, 1961	USSR	Yuri Gagarin
1st American in Orbit	Feb. 20, 1962	USA	John Glenn
1st Woman in Space	June 16, 1963	USSR	Valentina Tereshkova
1st Moon Landing	July 20, 1969	USA	Neil Armstrong, Buzz Aldrin, and Michael Collins
1st Space Lab	May 14, 1973	USA	Conrad, Weitz, Kerwin, Bean, Lousma, Garriott, Carr, Pogue, Gibson
1st Shuttle Mission	April 12, 1981	USA	John Young and Robert Crippen

7. Answers will vary but should be supported by data in question 6.

8. The main purpose of the ISS is to study how humans can live and work in space.

9. United States, Russia, Europe, Japan, and Canada

10. Sample answer: They use minimal water, which is stored in bags, to wash up and brush their teeth. The astronauts have to be very careful with the water so it doesn't float away. They have special tubes to use to go to the bathroom. Exercise requires special equipment, and must be done carefully.

11. Signs of water flow on the surface; signs of ice caps at the north and south poles

12. NASA is exploring Mars with 4 goals: to find out if life ever existed on Mars, to learn about its climate, to learn about its geology, and prepare for humans to go to Mars.

13. Stories will vary.