

The NASA Glenn Research Center is providing a Solar System Walk, an educational journey through our solar system begins with the Sun and continues by "traveling" to each planet -- from Mercury all the way to Pluto -- unlocking some of the secrets of space. The scale representation of the solar system is designed to give an appreciation for the enormous size of the universe. Informational signs posted along the trail mark the Sun and each of the planets at their average distance from the Sun.

NASA employees will provide additional demonstrations including the relative mass of each planet and a scale to compare your weight on Earth to what it would be on Mars.

Here are some questions to consider during your visit:

1. The word "planet" comes from the old Greek word for \_\_\_\_\_

2. How much would you weigh on Mars? \_\_\_\_\_

3. Which planet is the most massive? \_\_\_\_\_

Which planet is the least massive? \_\_\_\_\_

4. Which planet has the most moons? \_\_\_\_\_

5. The Earth goes around the Sun once every 365 days, which is one Earth year. If you had an 84 year-old relative, how old would he/she be based on a Uranus calendar? \_\_\_\_\_

6. Pluto isn't always the farthest planet from the Sun. In what years was Pluto closer than Neptune?

From \_\_\_\_\_ to \_\_\_\_\_

### Answers:

1. "Wanderer," per introductory signpost
2. NASA will have a scale available
3. The signpost for Uranus shows that the Period of revolution (around the Sun) is 84 years.
4. By looking at the signs, students will see that Saturn has the most at 18+
5. The NASA demonstration will provide the answers. (Jupiter and Pluto)
6. Pluto's signpost shows that it was closer than Neptune from 1979-1999.



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