

DIRECTIONS: Visit the **Solar System Survey Gallery**. Each exhibit is named. Look for the exhibit name and follow the directions to answer the question.

Your Weight In Space Predict your weight on 3 planets. Record, and then use one of the floor scales to find your actual weight on each planet.

PLANET	MY PREDICTION	ACTUAL
1.		
2.		
3.		

Solar System Use the *touch screens* to find the answers.

- Find the planet closest to the Sun. What are the names of the two spacecraft that have visited this planet?
- Which is longer, a day on Earth or a day on Venus?

Phases of the Moon

- The moon phases are not in order. Number the phases beginning with New Moon.
 _____ New Moon _____ Full Moon _____ Last Quarter Moon _____ First Quarter Moon
- Draw two pictures: a waxing gibbous Moon and the next phase of the moon.

As the World Turns

- The tilt of the Earth's axis is not the cause of seasons on Earth. **True or False**

To the Edge of the Universe Look at the signpost to find the answers.

- How many miles is it from Earth to Pluto? _____
- Pluto is _____ Astronomical Units from Earth
- Two Astronomical Units is equal to how many miles? _____

Orbit the Sun Walk the orbits of Earth, Venus, and Mercury.

- Draw a circle around the planet that rotates opposite of the other two planets.
 Mercury Venus Earth

Up close Listen and look at the large talking globe in the center.

- After listening, write down one question or fact about the solar system.

GO ON A SPACE CHASE!

TEACHER ANSWER KEY



4. Mariner 10 & Messenger
5. Venus. A day on Venus is 243 earth days.
6. 1 New Moon 3 Full Moon 4 Last Quarter Moon 2 First Quarter Moon
7. Waxing gibbous moon then full moon
8. False
9. 3.5 billion miles
10. Pluto is 40 Astronomical Units from Earth.
11. 1 AU is 93 million miles, 2 AU is 186 million miles
12. Venus