

<p>The path Earth takes as it moves around the sun is its ____.</p> <p>SOL 4.7</p>	<p>Orbit</p> <p>SOL 4.7</p>
<p>How long does it take for Earth to make one complete revolution?</p> <p>SOL 4.7</p>	<p>One year</p> <p>SOL 4.7</p>
<p>What is a revolution?</p> <p>SOL 4.7</p>	<p>One full orbit around another object.</p> <p>SOL 4.7</p>
<p>How long does it take for the Earth to make one complete rotation?</p> <p>SOL 4.7</p>	<p>24 hours (one day)</p> <p>SOL 4.7</p>
<p>What causes the Earth to orbit the sun? What causes the moon to orbit the Earth?</p> <p>SOL 4.7</p>	<p>Gravity</p> <p>SOL 4.7</p>
<p>How far is the Earth from the sun?</p> <p>SOL 4.7</p>	<p>93 million miles (150 million kilometers)</p> <p>SOL 4.7</p>

<p>How much of the Earth's surface is covered by water?</p> <p>SOL 4.7</p>	<p>About 70%</p> <p>SOL 4.7</p>
<p>Why do we have seasons?</p> <p>SOL 4.7</p>	<p>The tilt of the Earth's axis during its revolution around the sun</p> <p>SOL 4.7</p>
<p>The phases of the moon appear in a pattern that repeats itself every _____ days.</p> <p>SOL 4.7</p>	<p>29 1/3 days</p> <p>SOL 4.7</p>
<p>Why does the moon seem to change shape?</p> <p>SOL 4.7</p>	<p>It depends on how much of the sunlit half of the moon is facing Earth, which depends on the position of the moon in its orbit around the Earth.</p> <p>SOL 4.7</p>
<p>Describe a solar eclipse.</p> <p>SOL 4.7</p>	<p>When the moon moves directly between the sun and Earth so that all three are lined up in a straight line</p> <p>SOL 4.7</p>
<p>Describe a lunar eclipse.</p> <p>SOL 4.7</p>	<p>When the Earth passes between the sun and the moon</p> <p>SOL 4.7</p>

<p>Who was the first scientist to use a telescope for astronomy and believed that everything revolved around the sun?</p> <p>SOL 4.7</p>	<p>Galilei Galileo</p> <p>SOL 4.7</p>
<p>Who theorized that the planets revolved around the sun?</p> <p>SOL 4.7</p>	<p>Nicolaus Copernicus</p> <p>SOL 4.7</p>
<p>Who was an Egyptian geographer, astronomer, and mathematician who believed that the planets and sun orbited the Earth?</p> <p>SOL 4.7</p>	<p>Claudius Ptolemy</p> <p>SOL 4.7</p>
<p>I believed that the Earth was a sphere and that the universe was spherical. I also believed that the solar system was an Earth-centered model.</p> <p>SOL 4.7</p>	<p>Aristotle</p> <p>SOL 4.7</p>
<p>How often does the moon revolve around the Earth?</p> <p>SOL 4.7</p>	<p>About once a month</p> <p>SOL 4.7</p>
<p>The sun is an averaged-sized _____.</p> <p>SOL 4.7</p>	<p>star</p> <p>SOL 4.7</p>

<p>How old is the sun?</p> <p>SOL 4.7</p>	<p>About 4.6 billion years old</p> <p>SOL 4.7</p>
<p>Name the phases of the moon in order, beginning with the new moon.</p> <p>SOL 4.7</p>	<p>New moon, waxing crescent, first quarter, waxing gibbous, full moon, waning gibbous, last quarter, and waning crescent</p> <p>SOL 4.7</p>
<p>List the sizes of the Earth, sun, and moon in order beginning with the smallest.</p> <p>SOL 4.7</p>	<p>The moon, the Earth, the sun</p> <p>SOL 4.7</p>
<p>Describe the moon.</p> <p>SOL 4.7</p>	<p>It is a small, rocky satellite with temperature extremes, virtually no atmosphere, no water, no life.</p> <p>SOL 4.7</p>
<p>How does the Earth's atmosphere protect us from the sun?</p> <p>SOL 4.7</p>	<p>The atmosphere blocks out most of the sun's damaging rays.</p> <p>SOL 4.7</p>