

Earth in the Solar System: Qtr 3 Study Guide

Part 1: Shadows

The position of the _____ in the sky determines the direction of an object's shadow.

When the sun is rising in the east, the shadow will be _____ and to the left.

If the sun is directly overhead, the shadow will be _____.

When the sun is setting in the west, the shadow will be long and to the _____.

Light travels in a _____ line.

Objects create shadows because they _____ light from the Sun.

Part 2: Earth

Earth is the _____ planet from the Sun.

The earth _____ on its axis and _____ around the sun.

A _____ is the best model to study the Earth's rotation on its axis.

When it is daytime on one side of the Earth, it is _____ on the other side.

The _____ orbits the Sun. The _____ orbits the Earth.

Part 3: Moon

The _____ has different shapes that form a pattern that is repeatable each month.

The pattern of changes in the Moon's shape repeats every _____ days. For example, if you see a full moon on January 2nd, then you will probably see the next full moon on January _____.

It takes the moon about one _____ to travel around the Earth.

Part 4: Solar System

All planets orbit the _____, which is actually a _____.

Although it looks like the Sun moves during the day, the reason why it looks like it moves is because the Earth _____ on its axis.

The Sun, planets, moons, Meteors, Comets, and Asteroids are all objects in our _____.

Stars appear to move because the Earth is _____ on its axis.

The Sun and _____ make their own light.

_____ are groups of stars that form a pattern and will always be the same.

Earth in the Solar System: Qtr 3 Study Guide Word Bank

<u>Part 1: Shadows</u>	<u>Part 2: Earth</u>	<u>Part 3: Moon</u>	<u>Part 4: Solar System</u>
absorb long right shorter straight Sun	rotates third Earth Moon revolves globe night	31st month 29.53 Moon	Sun Solar System Stars Constellations rotates star rotating

Level 4 Opportunity:

Tell where the Sun (a star) appears during the course of a day.

From Earth, describe the patterns that can be observed in the nighttime sky.