

Spaceship Earth Study Guide: Marking Period 2

Test Date: January 16th, 2020

Describe how long it takes the Earth to spin around its axis.

Explain the result of the Earth spinning on its axis.

Explain how you can tell time by just using the sun.

Explain where the sun rises and sets and where it is in the sky at various times of the day.

Explain why we have 24 hours in 1 day and about 30 days each month.

How does the sun's path in the sky change with each season?

In which months do we have longer days and shorter days?

Explain how we can tell the seasons from looking at shadows.

Explain why the moon appears to change shape.

Be able to use a universe in a box model.

Explain why we only see certain constellations at any one time.

Describe the arrangement of planets in the sky and their orbit around the sun, including how fast they move related to their distance from the sun.

Distinguish between stars and planets.

Which way does gravity pull us on earth?

Use a drawing to explain which planet would have more or less gravity.

Explain why gravity is different on different planets.

Explain a planet's habitable zone based on temperature

VOCABULARY

Sun, stars, revolve, rotate, planets, orbit, wandering star, shooting star, meteor, constellation, seasons, moon, shadow, moon phases, full, new, gibbous, crescent, gravity, solar system, order of planets.

Science tools

telescope, universe in a box, sun dial