

Name: Teacher Copy

Section Letter:

Date:

Earth in Space Quiz #1 Review

Important Vocabulary Words:

- **Rotation:** ; movement of Earth turning on its axis
- **Axis:** : imaginary straight line running through the North and South Pole
- **Time zone:** . regions that share the same Standard time .

Helpful Textbook Resources:

- Activity 71 – Sunlight & Shadows
- Activity 74 – As Earth Rotates
- Activity 75 – Sunlight & Seasons
- Activity 76: - A Year Viewed From Space

Questions:

Sunlight and Shadows:

- What causes shadows to change throughout the day? Your answer should include information about their lengths and their directions. Shadows change both their length and direction due to the position of the sun. As the sun appears to move E → W, shadow lengths change as they move in the

Day-Night Cycle: opposite direction W → E.

- What causes us to experience day and night on Earth? Draw a model to represent this phenomenon. Day and night is caused by the Earth's rotation on its axis.

- The sun rises in the E and sets in the W. This happens because....

The rotation of the Earth on its axis. Earth rotates 1 every 24 hours. (towards the east, so the sun appears to move west).

Time zones:

- The world is broken down into how many time zones? 24 time zones
- What is the time difference between the Eastern time zone and the Mountain time zone? Eastern Time is 2 hrs ahead of Mountain Time.

Seasons:

- What are the 2 reasons that the Earth has seasons? • Earth's tilt
• Earth's revolution
- In which month does the Northern Hemisphere start summer? June
- What is the relationship between the number of daylight hours and the angle of the sun in the sky? As the angle of the sun increases so does the # of daylight hours.
- Know how to label a diagram of Earth with the season it would be in the Northern Hemisphere only.

