

# Understanding Time Zones and Earth's Rotation

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5th Grade Science Review

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on the lesson about Earth's rotation and time zones.

1. What creates day and night on Earth?

- A. The sun rising
- B. Earth's rotation
- C. The moon's phases

2. Earth rotates on its \_\_\_\_, which creates time zones.

3. Why do we need time zones?

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4. There are 12 time zones around the world.

- True       False

5. How does moving east or west affect time?

- A. Time stays the same
- B. Time changes by hours
- C. Time goes backwards

6. How does Earth's rotation impact global communication?

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7. The Earth takes about \_\_\_\_ hours to complete one full rotation.

8. Astronauts in space do not use time zones.

- True       False

9. What does Ecclesiastes 3:1 remind us about time?

- A. Time is only for work
- B. Time is for every purpose
- C. Time is not important

10. In what ways can we appreciate God's design of planetary motion when studying time zones?

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Answer Key

1. Earth's rotation 2. axis 3. We need time zones so that people can have the correct time based on their location on Earth. It helps us coordinate activities and communicate effectively. 4. False 5. Time changes by hours 6. Earth's rotation affects global communication by creating different time zones. This means that when it's day in one place, it can be night in another, which can make scheduling calls or meetings challenging. 7. 24 8. True 9. Time is for every purpose 10. We can appreciate God's design by recognizing how perfectly the Earth rotates to create day and night, allowing for time zones that help us organize our lives. It shows us the complexity and order in creation.