

# Understanding Climate Zones

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## Why Do Climate Zones Exist?

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

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

Answer the following questions based on what we learned about climate zones and the sun's angle.

1. What affects the temperature and climate zones on Earth?

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

2. The Earth is tilted on its \_\_\_\_ which affects how sunlight hits different areas.

3. Why do you think the equator is usually warmer than other places on Earth?

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4. How does the angle of sunlight change throughout the year?

- A. It stays the same
- B. It changes with the seasons
- C. It only changes at night

5. Match the latitude to its typical climate zone.

Equator

Tropical

Poles

Polar

6. Sunlight hits different latitudes at different \_\_\_\_, affecting how much energy is absorbed.

7. What is one way God's design is seen in Earth's climate systems?

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8. Which part of the Earth receives the most direct sunlight?

- A. The poles
- B. The equator
- C. The deserts

9. Sunlight hitting at a steep angle absorbs more energy.

True       False

10. What did Job 37:16 teach us about God's knowledge in relation to climate?

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### Answer Key

1. The sun's angle 2. axis 3. Because the sunlight hits the equator more directly, making it warmer. 4. It changes with the seasons 5. Tropical 6. angles 7. God designed the Earth's tilt to create different climates. 8. The equator 9. False 10. It shows that God understands the balance of clouds and climate perfectly.