

# Factors Affecting Climate Review

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## Understanding Climate Patterns

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

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

Answer the following questions based on what you learned about climate factors.

1. What does latitude determine about climate?

- A. Wind speed
- B. Solar radiation
- C. Rainfall

2. Higher elevations generally lead to \_\_\_\_ temperatures.

3. How do oceans influence nearby land climates? Provide an example.

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4. Elevation has no effect on temperature.

- True       False

5. What is one effect of being near a large body of water?

- A. Increased humidity
- B. Higher elevation
- C. Less rainfall

6. Wind patterns help distribute \_\_\_\_ and moisture across the globe.

7. Why do coastal cities often experience milder temperatures compared to inland cities?

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8. Latitude has no impact on climate patterns.

- True       False

9. What happens to temperature as elevation increases?

- A. It increases
- B. It decreases
- C. It stays the same

10. Describe how wind patterns affect climate. Why is this important?

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Answer Key

1. 1 2. cooler 3. Oceans moderate temperatures and can create more rainfall. For example, coastal cities often have milder temperatures than inland areas due to the ocean's influence. 4. False 5. Increased humidity 6. heat 7. Coastal cities are influenced by the ocean, which keeps temperatures more stable and prevents extreme heat or cold. This leads to milder weather year-round. 8. False 9. It decreases 10. Wind patterns distribute heat and moisture across different regions. This is important because it affects weather conditions and climate in various parts of the world, influencing agriculture, ecosystems, and human activities.