

# Grade 8 Geography: Climate and Weather

Geography · Answer Key · 10 Questions

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## 1. What is the primary difference between weather and climate?

- A) Climate changes daily, weather changes over years
- B) Weather is the state of the atmosphere daily, climate is a long-term pattern**
- C) They are the same thing
- D) Climate only refers to temperature

## 2. Which of the following is NOT one of the five main factors influencing climate?

- A) Distance from the equator
- B) Ocean currents
- C) Urbanization**
- D) Height above sea level

## 3. How does altitude affect temperature?

- A) Temperature increases as altitude increases
- B) Temperature decreases as altitude increases**
- C) Altitude has no effect on temperature
- D) Temperature stays the same regardless of altitude

## 4. Why do regions at higher latitudes receive less sunlight?

- A) The Earth is flat
- B) The Earth's tilt and round shape**
- C) The sun is smaller at the poles
- D) Clouds block the sun

## 5. What is the approximate temperature drop for every 1000 meters of altitude?

- A) 1.5 degrees Celsius
- B) 6.5 degrees Celsius**
- C) 10 degrees Celsius
- D) 0.5 degrees Celsius

## 6. Which ocean current is responsible for warming the east coast of South Africa?

- A) Benguela Current
- B) Agulhas Current**
- C) Southern Ocean Current
- D) Atlantic Current

**7. What is a 'rain shadow' area?**

- A) An area with high rainfall
- B) An area sheltered by mountains resulting in low rainfall**
- C) An area where it rains every day
- D) An area near the coast

**8. Which climate is characterized by hot, humid summers and mild to cool winters?**

- A) Polar
- B) Tropical
- C) Subtropical**
- D) Tundra

**9. What defines a desert climate in terms of annual rainfall?**

- A) Less than 250 mm**
- B) Between 250-500 mm
- C) Over 1000 mm
- D) Over 2000 mm

**10. Why are there no continental climates in the Southern Hemisphere?**

- A) The Southern Hemisphere is too cold
- B) There are no large landmasses at those latitudes**
- C) The ocean is too small
- D) The equator prevents them