

Weather and Climate

Chapter 4: Weather and Climate · Topic 1

Key Concept

Weather describes the day-to-day conditions of the atmosphere, like temperature, rainfall, and wind, which can change quickly.

Climate refers to the average weather pattern of a region over a long period, typically 30 years or more.

Factors affecting climate include latitude, altitude, distance from the sea, and prevailing winds in a region.

Understanding the difference between weather and climate helps us make sense of daily forecasts and long-term environmental patterns.

Quick Revision Notes

- Weather: short-term atmospheric conditions.
- Examples: temperature, rainfall, wind (daily).
- Climate: long-term average weather pattern.
- Typically measured over 30+ years.
- Factors: latitude, altitude, distance from sea.
- Also prevailing winds.
- Weather changes quickly; climate is long-term.
- This helps understand forecasts and patterns.

Practice Questions

- 1 Discuss today's weather in your area.
- 2 Research your region's climate pattern.
- 3 Discuss the difference between weather and climate.
- 4 List two factors affecting climate.
- 5 Compare the weather this week to last month.
- 6 Discuss how climate affects what people wear.