

Weather and Climate: The Great Global Journey

Learning objective: To understand the difference between weather and climate and to recognize the characteristics of different climate zones.

Read each question carefully and use your knowledge of geography to provide detailed answers. Use the word bank to help you with terminology.

Word bank: Precipitation · Temperature · Atmosphere · Equator · Tropics · Polar · Climate Zone · Meteorologist

1. Finn the dolphin is traveling from the Arctic to the Equator. Explain the difference between 'weather' and 'climate' in your own words. (2 marks)

2. Why do countries located near the Equator generally have higher temperatures than countries located near the North or South Poles? (2 marks)

3. Name three different types of weather that a meteorologist might record during a week of observations. (3 marks)

4. If a region is described as having a 'temperate' climate, what does this tell us about its seasonal temperatures and rainfall compared to a 'tropical' climate? (2 marks)

5. Max the monkey is planning a trip. If he wants to visit a place with a polar climate, what kind of clothing and equipment should he pack, and why? (2 marks)

Draw: Draw a diagram showing the Earth. Label the Equator, the Tropical zone, and the Polar zones. Add a small sketch of Finn the dolphin in the ocean and a polar bear in the north to show where they live.



Extension challenge: Research the climate of the United Kingdom. Write a short paragraph explaining why our weather can change so quickly even though our overall climate is classified as temperate.