

Year 5 Geography Assessment: Global Climates

Learning objective: To demonstrate understanding of climate zones, biome characteristics, and the impact of latitude on global weather patterns.

Read each question carefully. Use your knowledge of geography to provide detailed answers. Ensure you use geographical terminology where appropriate.

Finn the dolphin has travelled from the chilly, frozen waters near the Arctic Circle down to the warm, humid coral reefs near the Equator. Along his journey, he observed how the sunlight hits the Earth differently at various latitudes, causing distinct climate zones. He noticed that the plants and animals he saw in the far north were very different from those near the equator.

Word bank: Equator · Latitude · Tundra · Tropical · Precipitation · Arid · Hemisphere · Temperature · Climate zone

1. Define the term 'climate' and explain how it differs from 'weather'. (2 marks)

2. Identify the two main factors that determine the climate of a specific region. (2 marks)

3. Explain why the regions nearest to the Equator experience higher average temperatures throughout the year. (3 marks)

4. Compare and contrast the climate of a Tundra biome with a Tropical Rainforest biome. (4 marks)

5. If a region is described as 'arid', what does this tell us about its annual precipitation levels? (2 marks)

6. A travel company is planning a holiday package. The trip costs £1,250 per person. If a family of four wants to visit a Mediterranean climate zone, calculate the total cost for the family. (2 marks)

7. Extended Writing Task: Discuss how human activity might influence global climate patterns over the next century. Justify your answer with examples of potential environmental consequences. (5 marks)

8. What might happen to animal migration patterns if global temperatures continue to rise, forcing climate zones to shift? (3 marks)

Draw: Draw a diagram of the Earth showing the Equator, the Northern Hemisphere, and the Southern Hemisphere. Label the Tropical, Temperate, and Polar climate zones.



Extension challenge: Total: /25. Extension Task: Research a specific country located in the Southern Hemisphere. Create a short report explaining how its latitude influences its seasonal cycle compared to the United Kingdom.