

Class 4 Geography Assessment: Exploring Global Climates

Learning objective: To demonstrate knowledge of climate zones, seasonal variations, and the impact of the Earth's position on global weather patterns.

Read each question carefully. Use your geographical vocabulary to provide clear and accurate answers. Ensure your spelling and grammar are correct.

Finn the dolphin has travelled from the icy waters near the North Pole down to the warm, sun-drenched shores of the Equator. Along his journey, he notices that the temperature, the types of plants, and the amount of rainfall change significantly depending on his location. He has been keeping a logbook of these different climate zones to share with his friends back home.

Word bank: Equator · Tropical · Temperate · Polar · Hemisphere · Latitude · Precipitation · Climate Zone

1. Identify the imaginary line that circles the middle of the Earth. Explain why the climate is generally warmer near this line. (2 marks)

2. Name the three main climate zones Finn might encounter on his journey from the North Pole to the Equator. (3 marks)

3. Compare and contrast a Polar climate with a Tropical climate. You should mention temperature and typical weather conditions. (4 marks)

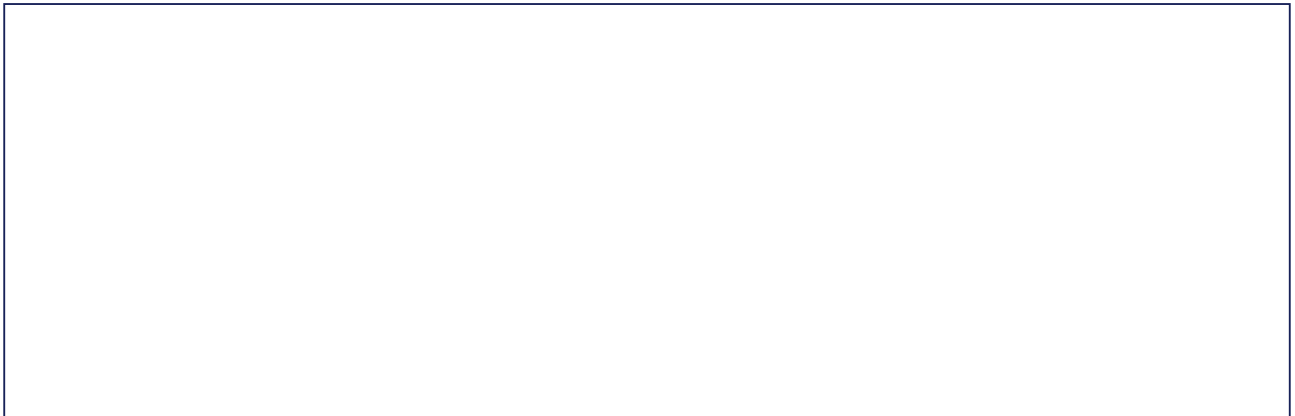
4. If a travel company sells a holiday to a Temperate region for £450, what might a tourist expect the weather to be like during the four seasons? (3 marks)

5. Explain why the Northern Hemisphere and the Southern Hemisphere experience seasons at different times of the year. (3 marks)

6. Justify your answer: Why is it important for scientists to track changes in global climate zones over a long period of time? (5 marks)

7. What might happen to the wildlife living in a Polar climate if the average global temperature were to rise significantly over the next fifty years? (5 marks)

Draw: Draw a diagram of the Earth. Label the Equator, the Northern Hemisphere, and the Southern Hemisphere. Shade the Polar regions in blue and the Tropical region in red.



Extension challenge: Imagine you are a climate scientist. Write a short report (100 words) describing a newly discovered island located near the Equator. Describe its climate, the types of vegetation that would thrive there, and how the local people might adapt their homes to the weather. Total: /25