

Finn's Polar Expedition Fact-File

Learning objective: To identify and describe the key physical and human geographical features of the Arctic and Antarctic regions.

Finn the dolphin has been mapping the world's coldest climates! Use this fact-file to research and record what you have learned about the Polar Regions. Fill in each box with clear, accurate information to complete your expedition report.

Word bank: Arctic Circle · Antarctic Circle · Tundra · Glacier · Ice shelf · Precipitation · Latitude · Indigenous · Climate change · Biodiversity

1. Location and Latitude: Describe where the Arctic and Antarctic are located in relation to the Earth's poles and name the imaginary lines of latitude that mark their boundaries. (2 marks)

2. Climate and Weather: Explain why these regions are so cold. Mention how the amount of sunlight and the angle of the sun affects the temperature. (3 marks)

3. Flora and Fauna: Choose one animal and one plant found in a polar region. Describe one specific adaptation they have developed to survive in such a harsh environment. (3 marks)

4. Human Geography: Describe how people live in the Arctic compared to the Antarctic. Are there permanent settlements in both? Explain why or why not. (3 marks)

5. Environmental Impact: Why are scientists worried about the melting of polar ice? Explain the potential impact this has on the rest of the world. (3 marks)

Extension challenge: Imagine you are an explorer living in the Arctic for a month. Write a short paragraph describing one challenge you faced today and how you overcame it using modern technology or traditional methods.