

Exploring the Frozen Frontiers: A Polar Report

Learning objective: To write a non-chronological report about the physical and human geographical features of the Arctic and Antarctic regions.

Use the prompts below to structure your report. Remember to include your own research facts and use the provided word bank to make your writing flow.

The Earth's polar regions, located at the extreme north and south, are some of the most mysterious and inhospitable environments on our planet.

Word bank: furthermore · in contrast · consequently · frigid · permafrost · biodiversity · expedition · vast · notably · harsh climate

1. Introduction: Define the location of the Arctic and Antarctic. Where are they found on a globe and what makes them unique? (2 marks)

2. Climate and Weather: Describe the conditions in these regions. How does the extreme temperature affect the landscape? (3 marks)

3. Wildlife Adaptations: Explain how specific animals have evolved to survive in such a freezing environment. Why are these adaptations vital? (3 marks)

4. Human Activity: Compare the human presence in the Arctic versus the Antarctic. Why do scientists visit these remote areas? (3 marks)

5. Environmental Challenges: Justify your answer on why the polar regions are sensitive to climate change. What might happen if the ice continues to melt? (4 marks)

6. Conclusion: Summarise why these regions are important to the health of the entire planet. (2 marks)

Extension challenge: Compare and contrast the Arctic and the Antarctic. Create a table or a Venn diagram to show the similarities and differences, then write a short paragraph explaining which region you think is more challenging for humans to explore and why.