

Exploring the Frozen Ends of the Earth

Learning objective: To identify and describe the key characteristics of the Arctic and Antarctic regions.

Finn the dolphin is mapping the coldest places on Earth! Help him complete his research by answering the questions below. Use the word bank to help you with your spelling.

Word bank: Arctic · Antarctic · North Pole · South Pole · Permafrost · Glacier · Tundra · Iceberg

1. Which polar region is located at the North Pole, and which is located at the South Pole? (2 marks)

2. What is the difference between a glacier and an iceberg? (2 marks)

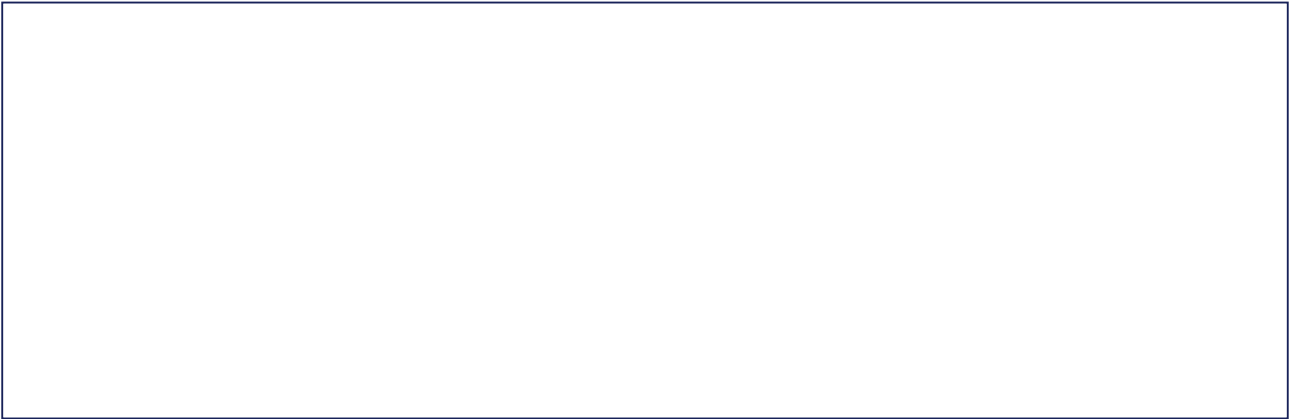
3. Explain why very few plants can grow in the tundra. Think about the soil and the temperature. (3 marks)

4. If you were traveling to the Antarctic, what are two pieces of clothing you would need to pack to stay warm, and why? (2 marks)

5. Name one animal found in the Arctic and one animal found in the Antarctic. Do they live in the same place? (3 marks)

6. What is 'permafrost', and in which polar region would you find it? (2 marks)

Draw: Draw a diagram showing the difference between the Arctic (an ocean surrounded by land) and the Antarctic (a continent surrounded by ocean). Label both clearly!



Extension challenge: Imagine you are a scientist living in a research station in the Antarctic. Write a short diary entry describing how you stay warm and what you have observed about the ice today.