

Finn's Polar Expedition Challenge

Learning objective: To identify the geographical features, climate, and locations of the Earth's Polar Regions.

Join Finn the dolphin on a chilly adventure! Read the questions carefully and use your knowledge of the Arctic and the Antarctic to answer. Remember to check your spelling.

Answer Key: 1.C, 2.True, 3.Antarctic, 4.B, 5.False, 6.Arctic, 7.Glacier, 8.B, 9.True, 10.B. Greater Depth

Explanations: Polar regions are essential for regulating global temperatures. If ice melts, sea levels rise, affecting coastal geography worldwide. The Antarctic is a landmass covered in ice, whereas the Arctic is largely frozen ocean surrounded by land.

Word bank: Arctic · Antarctic · Iceberg · Glacier · Tundra · Latitude · Equator · Precipitation

1. Which of these is a key difference between the Arctic and the Antarctic? A) The Arctic is a continent, B) The Antarctic is an ocean, C) The Antarctic is a landmass covered in ice*, D) Neither has snow. (1 mark)

2. True or False: The Polar Regions are located at the very top and very bottom of the Earth. (1 mark)

3. Which region is home to the South Pole? (1 mark)

4. What is the name of the treeless, frozen biome found in the Arctic? A) Rainforest, B) Tundra*, C) Savannah, D) Desert. (1 mark)

5. True or False: Polar bears are found living in the wild in Antarctica. (1 mark)

6. Which region is an ocean surrounded by land? (1 mark)

7. What do we call a large, slow-moving mass of ice on land? (1 mark)

8. Why is the climate in polar regions so cold? A) Lack of wind, B) Low angle of the sun's rays*, C) Too many clouds, D) High altitude. (1 mark)

9. True or False: The Arctic Circle is a line of latitude. (1 mark)

10. What is a large piece of freshwater ice that has broken off a glacier? A) Pebble, B) Iceberg*, C) Snowdrift, D) Hailstone. (1 mark)

Draw: Draw a map of the world and shade the Arctic Circle at the top and the Antarctic continent at the bottom. Label the Equator in the middle.



Extension challenge: 1. Explain why polar regions are vital to the Earth's climate balance. 2. Compare and contrast the animal life in the Arctic versus the Antarctic. 3. Justify why it is difficult for humans to live in the interior of Antarctica. 4. What might happen to global coastal cities if polar ice sheets continue to melt? 5. Describe how an animal might need to adapt to survive in sub-zero temperatures. 6. If you were a scientist visiting the Arctic, what piece of equipment would be the most important to bring and why?