

Finn's Climate Quest: A Geography Challenge

Learning objective: To identify and describe the characteristics of different climate zones and understand the impact of weather patterns on the environment.

Join Finn the dolphin on a global adventure! Read the questions carefully and use your geography knowledge to help him map the world's climates. Write your answers clearly in the spaces provided.

Answer Key: 1. A (Equator); 2. True; 3. Polar; 4. B (Temperate); 5. False (It is the average weather over a long time); 6. Tropical; 7. Precipitation; 8. C (Arctic/Antarctic); 9. True; 10. Climate.

Word bank: Equator · Tropical · Polar · Temperate · Precipitation · Atmosphere · Climate · Hemisphere

1. Finn is swimming near the middle of the Earth. What is the imaginary line circling the centre of the Earth called? A) The Equator*, B) The Prime Meridian, C) The Tropic of Capricorn, D) The North Pole. (1 mark)

2. True or False: Places near the Equator are generally much warmer than places near the North or South Poles. (1 mark)

3. Which climate zone is characterised by freezing temperatures, ice, and very little vegetation? (1 mark)

4. The United Kingdom has a climate that has four distinct seasons. What is this type of climate called? A) Arid, B) Temperate*, C) Tropical, D) Mediterranean. (1 mark)

5. True or False: Climate is exactly the same as the daily weather forecast. (1 mark)

6. Which climate zone is hot and humid all year round, often found in rainforests? (1 mark)

7. What is the scientific term used to describe rain, snow, sleet, or hail? (1 mark)

8. Which region would have a Polar climate? A) The Sahara Desert, B) The Amazon Rainforest, C) Antarctica*, D) Italy. (1 mark)

9. True or False: The Earth is divided into two halves called the Northern and Southern Hemispheres. (1 mark)

10. 10. 'Long-term patterns of weather in a specific area' is the definition of what? (1 mark)

Draw: Draw a map of the world showing the Equator. Include one animal in the Tropical zone and one animal in the Polar zone.



Extension challenge: Greater Depth Challenges: 1. Explain why the climate near the Equator remains consistently hot throughout the year. 2. Compare and contrast a Tropical climate with a Polar climate; what are the main differences in their landscapes? 3. Justify why it is important for scientists to study changes in global climate over long periods. 4. What might happen to polar animals if the temperature in their climate zone continues to rise? 5. If you were planning a holiday, how would you use a climate map to decide what clothing to pack? 6. Imagine a new climate zone that is neither hot nor cold; describe its landscape and the types of plants that might grow there.