Finn’s Global Climate Expedition

Learning objective: To test knowledge of climate zones, biomes, and the factors that influence global weather patterns.

Join Finn the dolphin on his underwater journey around the world! Read each question carefully and select the correct answer or provide the one-word response requested. Good luck, young geographers!

Answer Key: 1) C, 2) True, 3) Equator, 4) B, 5) False, 6) Tundra, 7) Latitude, 8) A, 9) True, 10) Tropical.

Word bank: Equator · Latitude · Tundra · Tropical · Precipitation · Greenhouse effect · Atmosphere · Climate

1. 1. Which climate zone is found closest to the Equator where it is hot and wet all year round? A) Polar, B) Temperate, C) Tropical*, D) Arid (1 mark)

2. 2. True or False: Climate describes the average weather conditions in a place over a long period of time, usually 30 years or more. (1 mark)

3. 3. What is the name of the imaginary line that circles the middle of the Earth, dividing the northern and southern hemispheres? (1 mark)

4. 4. Which of these is NOT a primary factor that influences climate? A) Distance from the sea, B) The price of local goods*, C) Latitude, D) Altitude (1 mark)

5. 5. True or False: The Temperate zone is known for having extreme, freezing temperatures all year long. (1 mark)

6. 6. Which biome is characterised by very low temperatures, short growing seasons, and a lack of trees due to permanently frozen subsoil? (1 mark)

7. 7. What term refers to the distance of a place north or south of the Equator, measured in degrees? (1 mark)

8. 8. Which of these is a form of precipitation? A) Rain*, B) Sunshine, C) Wind, D) Humidity (1 mark)

9. 9. True or False: High altitude areas, such as mountain ranges, are generally cooler than low-lying areas at the same latitude. (1 mark)

10. 10. In which zone would you expect to find dense, lush rainforests? A) Polar, B) Tundra, C) Tropical*, D) Desert (1 mark)

Draw: Draw a diagram of the Earth showing the three main climate zones: Polar, Temperate, and Tropical. Label where the Equator is and add a small sketch of Finn the dolphin near the Tropical zone!

Extension challenge: Research the impact of rising global temperatures on ocean levels. Write a short paragraph explaining how this might affect coastal towns in the UK, using the cost of building flood defenses (e.g., £5 million) as a point of discussion.