

Finn's Global Weather Expedition

Learning objective: To identify the differences between weather and climate and understand how global patterns affect our environment.

Join Finn the dolphin as he dives into the world of meteorology. Read each question carefully and use your geography knowledge to navigate through the quiz. Good luck!

Answer Key: 1. B (Weather), 2. True, 3. Climate, 4. C (Equator), 5. False, 6. Precipitation, 7. D (Celsius), 8. True, 9. 12 months, 10. A (It describes the long-term pattern).

Word bank: Climate · Weather · Precipitation · Temperature · Equator · Atmosphere · Meteorologist

1. 1. If it is raining outside today, are we talking about (A) Climate, (B) Weather*, (C) A season, or (D) An ocean current? (1 mark)

2. 2. True or False: Climate is the average weather pattern in a place over many years. (1 mark)

3. 3. Which term describes the long-term patterns of weather in a specific region? (1 mark)

4. 4. Regions near the (A) Poles, (B) Arctic, (C) Equator*, or (D) Mountains are generally much hotter because they receive more direct sunlight. (1 mark)

5. 5. True or False: The weather is exactly the same in every country at the same time. (1 mark)

6. 6. What is the scientific name for rain, snow, sleet, or hail falling to the ground? (1 mark)

7. 7. How do we measure temperature in the UK? (A) Grams, (B) Metres, (C) Litres, (D) Degrees Celsius* (1 mark)

8. 8. True or False: The atmosphere is a layer of gases that surrounds the Earth and helps create our weather. (1 mark)

9. 9. To work out the climate of a place, scientists usually look at weather data collected over how many months or years? (1 mark)

10. 10. Why is it incorrect to say 'the climate today is very windy'? (A) It describes the long-term pattern*, (B) It is too cold, (C) It is too windy, (D) It should be called a storm. (1 mark)

Draw: Draw a split-screen illustration. On the left, draw 'Weather' showing a specific event like a thunderstorm in your garden. On the right, draw 'Climate' showing a landscape that represents a long-term environment, such as a hot desert or an icy polar region.



Extension challenge: 1. Explain why it is important for farmers to understand the difference between weather and climate. 2. Compare and contrast the climate of the UK with a country near the Equator. 3. Justify your answer: Does a single sunny day mean the climate has changed? Why or why not? 4. What might happen to global wildlife if the Earth's climate continues to warm? 5. Research and describe one extreme weather event; how does it differ from a daily weather forecast? 6. Design a 'Weather Station' in your mind—what three instruments would you include to help you record the weather, and why?