

Class 4 Geography Assessment: The Wonders of Tropical Rainforests

Learning objective: To assess knowledge of rainforest layers, climate, and the importance of conservation.

Read each question carefully. Use your geographical knowledge to provide detailed answers. Ensure you use specific vocabulary where appropriate.

Finn the dolphin has travelled far from his ocean home to visit the tropical rainforests near the Equator. He is amazed by the dense vegetation and the sheer variety of creatures living in the different layers of the forest. Finn observes that it is very warm and wet all year round, providing the perfect conditions for plants to thrive. However, he also notices that some areas of the forest are being cleared by humans for farming and logging.

Word bank: Emergent · Canopy · Understory · Forest Floor · Equator · Humidity · Precipitation · Biodiversity · Deforestation

1. Name the four layers of a tropical rainforest in order, starting from the top. (2 marks)

2. Explain why tropical rainforests are found near the Equator rather than in colder regions. (2 marks)

3. Define the term 'biodiversity' and explain why it is important for a healthy rainforest ecosystem. (3 marks)

4. Describe the climate of a rainforest. Mention both temperature and rainfall in your answer. (3 marks)

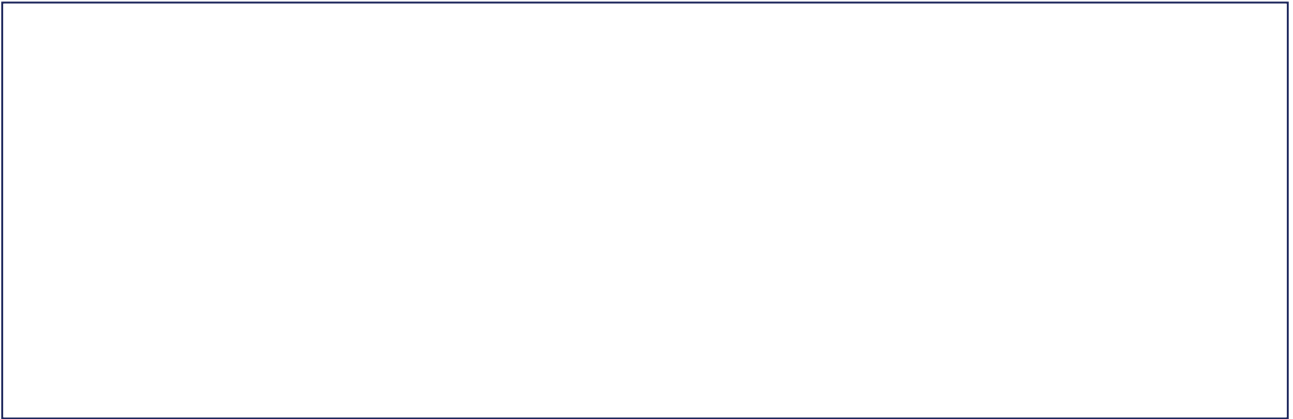
5. Compare and contrast the 'Canopy' layer with the 'Forest Floor'. How do the conditions differ for the animals living there? (4 marks)

6. What is 'deforestation'? Identify two reasons why humans might clear rainforest land. (3 marks)

7. Justify your answer: Why is it crucial to protect rainforests even if you live thousands of miles away from them? (3 marks)

8. Extended Writing: Imagine you are an explorer trekking through the Amazon. Write a diary entry describing the sights, sounds, and atmosphere of the rainforest. Explain the impact of human activity you see during your journey. (5 marks)

Draw: Draw a cross-section of a rainforest, clearly labelling the four layers and placing one animal in its correct habitat layer.



Extension challenge: What might happen to the global climate if the majority of the world's rainforests were destroyed? Provide a reasoned argument for your prediction. Total: /25