

Class 4 Geography: Our Sustainable Future Assessment

Learning objective: To evaluate understanding of sustainability, resource management, and human impact on the environment.

Read each question carefully. Use your geographical knowledge to provide detailed, well-reasoned answers. Write your responses in clear, full sentences.

Finn the dolphin has been travelling across the world's oceans, observing how human choices affect the environment. He notices that some coastal towns are working hard to protect their resources for the future, while others are using materials that cannot be replaced. Sustainability is about meeting our needs today without stopping future generations from meeting theirs.

Word bank: sustainability · renewable · non-renewable · conservation · pollution · carbon footprint · recycling · ecosystem

1. Define the term 'sustainability' in your own words. Why is it important for our planet? (2 marks)

2. Finn observes a village that uses solar panels to generate electricity. Explain why solar energy is considered a 'renewable' resource compared to coal or oil. (2 marks)

3. Give two examples of how a household could reduce their 'carbon footprint' to help protect the local ecosystem. (2 marks)

4. Max the monkey is buying supplies. He sees a plastic bottle for £0.50 and a reusable metal bottle for £5.00. Justify why the metal bottle might be a more 'sustainable' choice despite the higher initial cost. (3 marks)

5. Compare and contrast the impact of plastic waste on land versus in the ocean. How does this affect wildlife? (3 marks)

6. Explain why it is difficult for countries to stop using non-renewable resources immediately. What might happen if we do not find alternatives soon? (4 marks)

7. Imagine a town that wants to become the most sustainable in the UK. Design a 'Sustainability Plan'. Include at least three specific actions the town could take regarding transport, energy, and waste management. Justify why each action would be effective for long-term environmental health. (9 marks)

Draw: Draw a diagram of a 'Sustainable Future City'. Label at least four features that show how humans and nature are living in harmony (e.g., wind turbines, green rooftops, cycle paths).



Extension challenge: Total: /25. Research Task: Find out what a 'circular economy' is. Write a short paragraph explaining how this concept could change the way we shop for clothes and toys. Would this be more sustainable than our current system? Explain your reasoning.