

Finn's Global Sustainability Challenge

Learning objective: To understand the importance of sustainable living, renewable energy, and the impact of human activity on the environment.

Join Finn the dolphin on his underwater expedition! Read the questions carefully and circle or write your answers to help protect our blue planet. Remember to think about how your choices impact the future.

Answer Key: 1. B (Sustainability), 2. True, 3. False, 4. B (Solar power), 5. Recycling, 6. A (Reducing waste), 7. True, 8. C (Trees absorb carbon dioxide), 9. Conservation, 10. False. Extension thinking: Pupils should discuss long-term environmental balance versus short-term convenience.

Word bank: Renewable · Sustainability · Deforestation · Carbon footprint · Conservation · Biodiversity · Recycling

1. 1. What is the term for meeting our own needs without compromising the ability of future generations to meet theirs? A) Consumerism B) Sustainability* C) Industrialisation D) Globalisation (1 mark)

2. 2. True or False: Renewable energy sources, like wind and solar, will never run out. (1 mark)

3. 3. True or False: Flying on aeroplanes is better for the environment than travelling by train. (1 mark)

4. 4. Which of these is a renewable energy source? A) Coal B) Solar power* C) Natural gas D) Oil (1 mark)

5. 5. What process involves turning waste materials into new, useful products? (One word) (1 mark)

6. 6. Which action has the smallest impact on your carbon footprint? A) Walking to school* B) Driving a large car C) Buying new plastic toys D) Leaving lights on (1 mark)

7. 7. True or False: Planting new forests helps to reduce the amount of carbon dioxide in the atmosphere. (1 mark)

8. 8. Why is deforestation a major sustainability issue? A) It makes the ground too soft B) It creates too much rain C) Trees absorb carbon dioxide* D) It provides too much wood (1 mark)

9. 9. What do we call the protection, preservation, and careful management of the natural environment? (One word) (1 mark)

10. 10. True or False: It is impossible for one person to make a difference in protecting the planet. (1 mark)

Draw: Draw a 'Sustainable City of the Future'. Include at least three features that help the environment, such as wind turbines, rooftop gardens, or cycle lanes.



Extension challenge: Greater Depth Challenge: 1. Explain why relying solely on non-renewable fossil fuels is considered unsustainable in the long term. 2. Compare and contrast the environmental impact of a plastic water bottle versus a reusable metal flask. 3. Justify your answer: Is it more effective for individuals to change their personal habits, or for governments to create new laws? 4. What might happen to global biodiversity if we do not reduce our carbon footprint? 5. Design a 'Sustainability Pledge' for your school. 6. Research and explain the concept of a 'circular economy' and how it differs from our current 'throwaway culture'.