

Sustainability: Protecting Our Planet with Finn the Dolphin

Learning objective: To understand the core concepts of sustainability, renewable resources, and the importance of conservation for the future of our planet.

Read the front of each flashcard and test your knowledge of sustainability. Flip to the back to check if your understanding matches the definition. Think about how these concepts apply to your own daily life.

What is Sustainability?

Sustainability means meeting our own needs without exhausting resources, ensuring that future generations have what they need to thrive.

Define a 'Renewable Resource'.

A natural resource that can be replenished or replaced naturally over a short period, such as sunlight, wind, or water.

Explain a 'Non-renewable Resource'.

A resource that exists in finite amounts and cannot be replaced once it is used up, such as coal, oil, or natural gas.

What is meant by 'Biodiversity'?

The variety of all living things on Earth, including plants, animals, and microorganisms, which is essential for a healthy, balanced ecosystem.

Define 'Conservation'.

The act of protecting, preserving, and managing our natural environment and resources to prevent waste and destruction.

What is a 'Carbon Footprint'?

The total amount of greenhouse gases (including carbon dioxide) that are generated by our actions and lifestyle choices.

Why is 'Recycling' important for sustainability?

Recycling processes used materials into new products, which reduces the need for raw materials, saves energy, and decreases the amount of waste sent to landfill.

Explain the term 'Finite'.

Something that has a limit or will eventually run out, such as fossil fuels buried beneath the Earth's surface.

What is the '3Rs' principle?

Reduce (use less), Reuse (use again), and Recycle (process into new materials) to minimise environmental impact.

How does individual action contribute to global sustainability?

Small changes, such as saving electricity or choosing sustainable products, collectively reduce the pressure on our planet's ecosystems.