Sustainability and Our Planet with Finn the Dolphin

Learning objective: To understand the meaning of sustainability, renewable energy, and how human actions impact the global environment.

Read each question carefully. Use these flashcards to test your knowledge about how we can protect our Earth for the future.

What does the term 'Sustainability' mean?

Meeting our current needs without compromising the ability of future generations to meet their own needs.

What is a 'Renewable Energy' source?

Energy from a source that is not depleted when used, such as wind, solar, or hydroelectric power.

Why are 'Fossil Fuels' considered non-renewable?

They take millions of years to form and will eventually run out once they are extracted and burned.

What is a 'Carbon Footprint'?

The total amount of greenhouse gases, specifically carbon dioxide, generated by our actions and lifestyle.

How does 'Recycling' help the environment?

It reduces the need for raw materials, saves energy in manufacturing, and keeps waste out of landfills and oceans.

What is 'Biodiversity' and why is it important?

The variety of all living things on Earth; it is important because it keeps ecosystems healthy and resilient.

Define 'Conservation' in the context of our planet.

The protection, preservation, and careful management of natural resources and environments to prevent exploitation or destruction.

Give an example of a sustainable transport choice.

Walking, cycling, or using public transport instead of travelling by private car.

How can buying 'locally sourced' food improve sustainability?

It reduces 'food miles', which is the distance food travels, thereby lowering the carbon emissions from transport.

What are the 'Three Rs' of waste management?

Reduce, Reuse, and Recycle.

Why is protecting rainforests vital for the climate?

Trees absorb carbon dioxide from the atmosphere and release oxygen, acting as a 'carbon sink' that helps regulate the global climate.

Finn the Dolphin notices plastic in the sea. What is one way to prevent this?

Using reusable water bottles and bags instead of single-use plastics.