

Key Knowledge

To live sustainably we need to live a comfortable lifestyle and, at the same time, minimise our impact on the environment so that everyone in the future has the same opportunity to live well, wherever they are in the world.

Wind and solar energy are renewable sources.

Oil, coal, natural gas and nuclear energy are examples of non-renewable energy sources. They also pollute the earth's atmosphere.

Renewable energy is not always expensive to set up and can potentially save money in the long run.

Solar panels convert the sun's energy into electricity. When the sun's light hits the cells, the electrons inside begin to move and start to flow as a current of electricity.

Wind turbines work when the wind turns the blades of the turbine, which spins a shaft that connects to a generator to make electricity.

Key Vocabulary and Phrases

sustainable

Being able to do something forever without having a negative impact on the environment that supports life on Earth or people living elsewhere in the world.

solar

Related to the sun and energy produced from the sun's rays.

wind turbine

A device that converts the wind's kinetic energy into electrical energy.

finite

Having a limited nature or existence.

renewable

A resource that can be used repeatedly and does not run out because it is naturally replaced.

reusable

To be used again.

