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Renewable Energy



Wind Energy

Wind turbines are used to convert wind energy to electricity.

The wind blows the blades around and this movement is converted into electricity.

A group of wind turbines is called a wind farm.



Biomass Energy

Biomass means 'natural material'. Energy can be obtained by burning natural waste materials such as scrap pieces of wood or dead trees and unused parts of crops.

You can even burn the gas produced by cow manure to make energy.

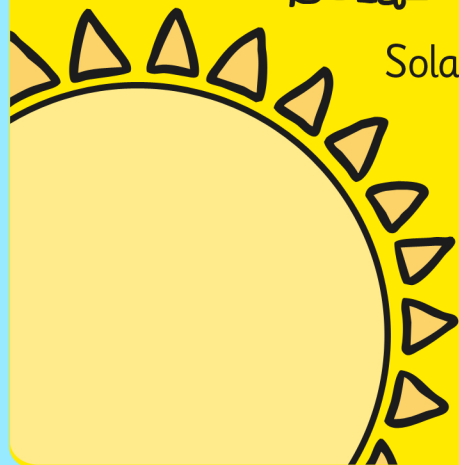


Solar Energy

Solar energy comes from the sun.

The sun can be used to give us heat energy.

Solar panels are used to convert sunlight into electricity.



Geothermal Energy

It is always very warm underground, even if it is very cold on the surface.

We can collect heat from underground and use it to heat our houses.

The lava from volcanoes shows us how hot it is underground.



Hydro Energy

Hydro energy is energy that comes from moving water.

Water that flows down fast - flowing rivers is used to spin turbines that generate electricity.

The movement of big waves at sea can also be used to generate electricity.



Be an Energy Expert!

