

## **Energy comparison**



### **Renewable energy**

Renewable energy sources replenish themselves and can be used infinitely. Examples of renewable energy include:











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## What is it?

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Organic material that comes from plants. Biomass contains stored energy from the sun, which has been generated through the process of photosynthesis. 190

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### **Advantages** н d • Low cost **Plentiful supply** • **Disposes of waste material** Sustainable • **Disadvantages** d Burning of material such as wood, releases stored carbon dioxide into the atmosphere which contributes to greenhouse gases and poor air quality • **Reduces the amount of available** 1 organic matter that forms habitats 1 and food for organisms and creatures Т and supports soil creation 1 1



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### **Non-renewable**

Non-renewable energy comes from fossil fuels. Fossil fuels are formed from the remains of living organisms millions of years ago. Examples of non-renewable energy include:







## Crude oil

## What is it?

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Carbon and hydrogen-rich material is converted into liquid oil, which is refined to become petroleum, through the process of pressure and heat over millions of years. 90

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