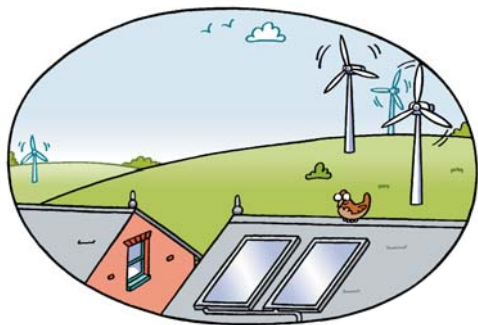


Climate change solutions



Electricity can be made without burning fossil fuels. It can be made by using the power of the wind, waves and the sun. Making electricity this way is cleaner because no polluting gases are pumped out.

It's a fact:

Government research in 2000 found that 38 per cent of children aged 7-11 who are driven to school would prefer to walk or cycle.



Less traffic means less polluting gases are pumped out into the air. People can still travel around using buses, trains and trams. Walking and cycling also helps cut down the number of cars on our roads.

biteback...
Youth and Education Programme

Friends of the Earth's Youth and Education Programme provides a range of publications exploring sustainable development, citizenship and environmental issues, designed to be used within a class, youth groups or by individual young people.

Why not read other leaflets in the Mad about... series?
For details telephone 020 7490 1555 or write to:
Publications Despatch, Friends of the Earth,
56-58 Alma Street, Luton LU1 2PH

Editor: Jocelyn Horton
Design: barry@waggle.design.com
Illustration: Andrew Peters

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Friends of the Earth inspires solutions to environmental problems, which makes life better for people

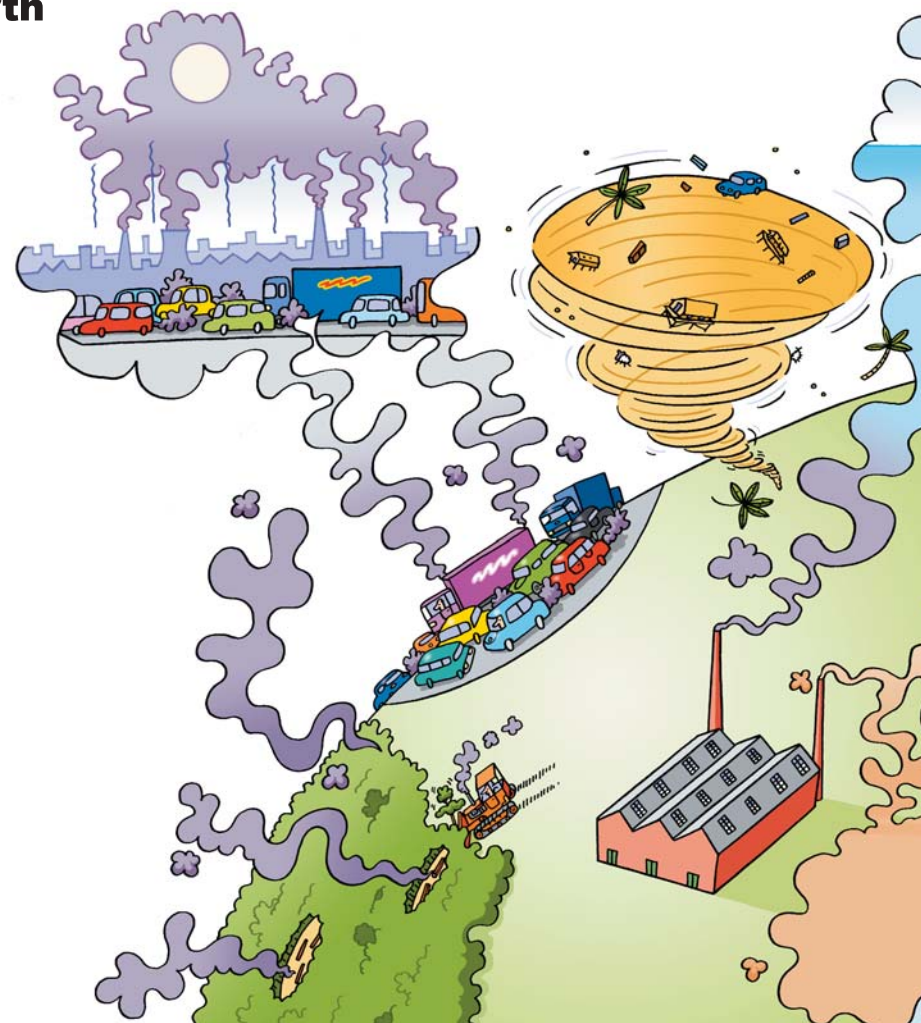
Friends of the Earth 26-28 Underwood Street, London N1 7JQ
Tel: 020 7490 1555 Fax: 020 7490 0881 Email: info@foe.co.uk Website: www.foe.co.uk
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Mad about... climate change



**Friends of
the Earth**



Mad about... climate change

Carbon dioxide and methane are greenhouse gases. These gases trap the sun's heat making the Earth warm up.

Using less electricity from oil and coal-fired power stations cuts down the carbon dioxide pumped into the air.

Animals and plants need a certain climate to live in. Some will not get used to new changes in the climate and could die out.

Changing the way we travel helps stop air pollution.

Wind and solar power can be used to make electricity and produces less pollution.

I'm sure my house was here not long ago

Global warming and climate change will lead to floods, droughts, hurricanes and the spread of tropical diseases.



Are you crazy about climate change?

The world's top scientists agree – climate change is real, it's happening and it's time to take action to stop it.

Bad weather makes people suffer

Warmer temperatures across the globe mean that more countries suffer droughts. Tropical diseases can also spread more easily to people when the weather is warmer.

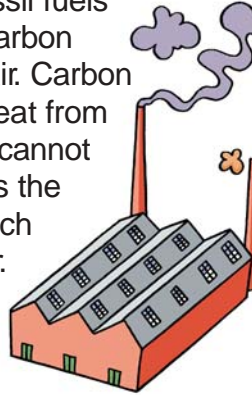
In some parts of the world, heavy rain is leading to more floods. Thousands of people die or are left homeless and starving as their crops are wiped out.

It's a fact:

In 1998 there was a total of 96 floods in 55 countries and in China the floods caused the deaths of more than 2,000 people.

Pollution sun trap

Cars, electricity power stations and factories burn fossil fuels (coal, oil, gas and petrol) for energy. Burning fossil fuels releases a gas – carbon dioxide – into the air. Carbon dioxide traps the heat from the sun. This heat cannot escape, and makes the world warm up which affects the weather. This is changing our climate.



Animals, plants and people all need a certain climate to survive. But the world's weather and climate is changing too quickly for many living things to cope with.



Wildlife at risk

Many plants and animals will not get used to climate change and die out. For example, warmer temperatures are making the Arctic ice cap melt. This means fewer places for animals, such as polar bears, to live and find food.

As the ice melts and turns into water it gets warmer and starts to expand. This water increases the world's sea levels which washes away at the coastlines of many countries. Some birds who live along the coast cannot find food or anywhere to lay their eggs.

Stopping pollution helps cut climate change

- Ask your parents to turn the heating down and put on a jumper to keep warm
- Don't bin your waste, re-use and recycle things as many times as you can. Factories pump out lots of pollution when making new products. Throwing away less means fewer new things have to be made.
- Only boil enough water for the right number of cups when making hot drinks.
- Using cars all the time to travel around in, results in lots of polluting carbon dioxide being pumped out into the air. Instead walk, cycle or use public transport whenever you can.
- Use less electricity. Switch off lights if you don't need them and use energy efficient light bulbs. Switch off your TV, video players or stereo when not in use rather than leaving them on standby.