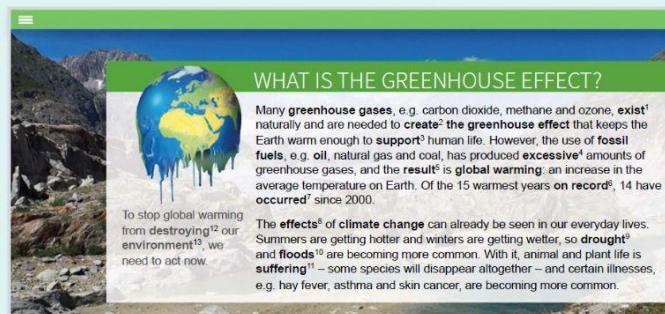


A The problem



WHAT IS THE GREENHOUSE EFFECT?

Many greenhouse gases, e.g. carbon dioxide, methane and ozone, **exist**¹ naturally and are needed to **create**² the greenhouse effect that keeps the Earth warm enough to **support**³ human life. However, the use of **fossil fuels**, e.g. oil, natural gas and coal, has produced **excessive**⁴ amounts of greenhouse gases, and the **result**⁵ is **global warming**: an increase in the average temperature on Earth. Of the 15 warmest years **on record**⁶, 14 have **occurred**⁷ since 2000.

To stop global warming from **destroying**⁸ our environment⁹, we need to act now.

The **effects**¹⁰ of climate change can already be seen in our everyday lives. Summers are getting hotter and winters are getting wetter, so **drought**¹¹ and **floods**¹² are becoming more common. With it, animal and plant life is **suffering**¹³ – some species will disappear altogether – and certain illnesses, e.g. hay fever, asthma and skin cancer, are becoming more common.

¹ are real or present

² make something happen or exist

³ help (human life) to continue

⁴ more than you want or need

⁵ something that happens because of something else that has happened

⁶ if information is *on record*, it has been written down or kept on a computer.

⁷ happened; *fml*

⁸ a change or result that is caused by something

⁹ a long time without rain when people do not have enough water

¹⁰ when water covers an area that is usually dry, often from too much rain

¹¹ experiencing something which is unpleasant

¹² damaging something so badly that it does not exist or cannot be used

¹³ the air, land and water around us

B The solution* – or part of it

To **reduce** global warming [make it less], the nations of the world will have to **act** together [do something to solve a problem; *syn* **take action**]. In the meantime, individuals can also help.

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SIX WAYS TO REDUCE GLOBAL WARMING:

- 1 Don't throw things away – **recycle** paper, glass, plastic, etc. so that it can be used again.
- 2 Save **energy**¹ e.g. switch off lights when you leave a room.
- 3 Don't **waste**² water, e.g. turn off the tap when you are brushing your teeth.
- 4 Change light bulbs for more **energy-efficient**³ ones.
- 5 Drive less and walk more.
- 6 **Plant trees**⁴ because trees reduce the amount of carbon dioxide in the atmosphere, and so reduce greenhouse gases.

¹ the answer to a problem

² don't waste

³ gas and electricity

⁴ use it badly

⁴ working well and not wasting energy

⁵ put a new tree in the ground

58.1 How do you pronounce the underlined letters? Use the index to help you.

1 global Is it like go or got? ^{go}
 2 flood Is it like foot or fun? ^{fo}
 3 fuel Is it like food or few? ^{fu}

4 drought Is it like no or now? ^o
 5 suffer Is it like son or spoon? ^u
 6 climate Is it like educate or comfortable? ^e

58.2 Match the words on the left with the words on the right.

1 the greenhouse	<input type="checkbox"/>	a warming
2 global	<input type="checkbox"/>	b change
3 fossil	<input type="checkbox"/>	c effect
4 greenhouse	<input type="checkbox"/>	d fuels
5 climate	<input type="checkbox"/>	e gases

58.3 How can we help with global warming? Cover the opposite page and complete the text.

- Don't throw away paper, glass and plastic; ² it.
- Don't ³ water: turn off the ⁴ lights when you brush your teeth.
- ⁵ energy by ⁶ switching off lights when you leave a room.
- ⁷ trees in order to ⁸ reduce the amount of carbon dioxide.
- ⁹ action now, before it's too late.

58.4 Complete the explanations.

- 1 We don't have to create greenhouse gases; they **exist** naturally.
- 2 Greenhouse gases in the atmosphere **create** the greenhouse effect.
- 3 Global warming is the **result** of an increase in the amount of greenhouse gases.
- 4 Two **effects** of climate change have been hotter summers and wetter winters.
- 5 A **drought** is often the result of too much rain when the rivers are full.
- 6 A **drought** is a long period without rain, and they are **happening** more frequently now.
- 7 The **environment** is the air, land and water around us.
- 8 If you **waste** something, it is so badly damaged, it cannot be used again.
- 9 If something is **energy-efficient**, it works well and doesn't waste energy.
- 10 **Energy** is the power that comes from gas, electricity, etc.

58.5 Complete the tables. Use a dictionary to help you.

verb	noun	verb	noun
recycle	recycling		solution
waste		reduce	
destroy		support	
exist		suffer	

58.6 Over to you

Answer the questions. If possible, talk to someone else about the problems.

- 1 Can you see the effects of global warming and climate change in your country? What do you see?
- 2 What things do people recycle every week?
- 3 Do you think you often waste water and energy? How?
- 4 What more could you do to solve the problem? Does it worry you?