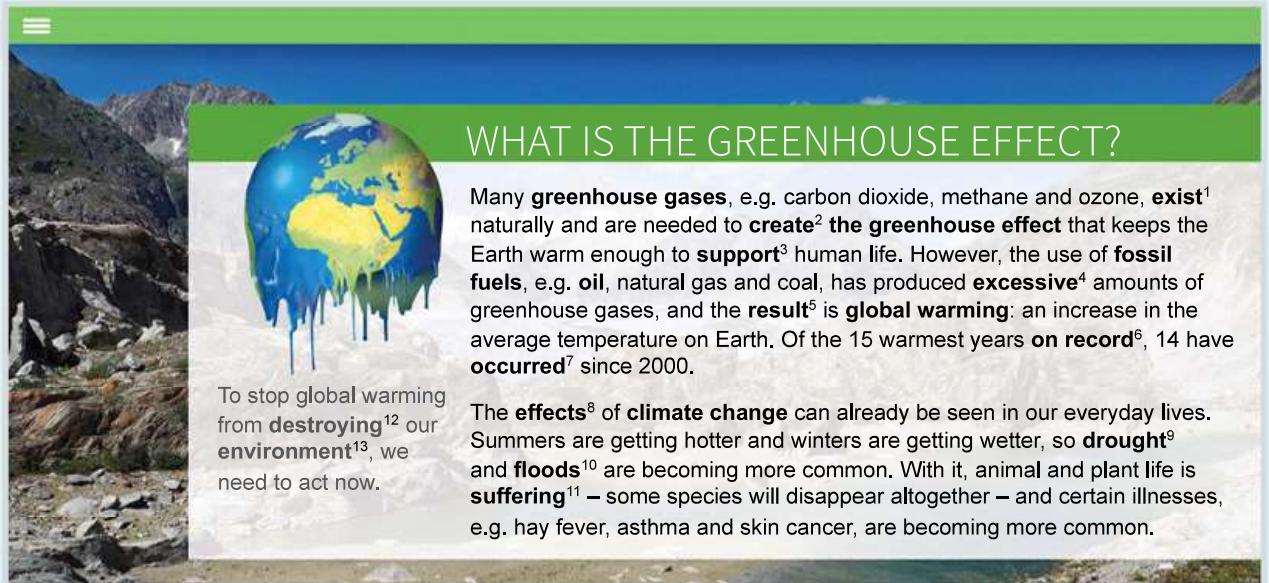


## A The problem



### WHAT IS THE GREENHOUSE EFFECT?

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

To stop global warming from **destroying**<sup>12</sup> our **environment**<sup>13</sup>, we need to act now.

The **effects**<sup>8</sup> of **climate change** can already be seen in our everyday lives. Summers are getting hotter and winters are getting wetter, so **drought**<sup>9</sup> and **floods**<sup>10</sup> are becoming more common. With it, animal and plant life is **suffering**<sup>11</sup> – some species will disappear altogether – and certain illnesses, e.g. hay fever, asthma and skin cancer, are becoming more common.

<sup>1</sup> are real or present

<sup>2</sup> make something happen or exist

<sup>3</sup> help (human life) to continue

<sup>4</sup> more than you want or need

<sup>5</sup> something that happens because of something else that has happened

<sup>6</sup> If information is *on record*, it has been written down or kept on a computer.

<sup>7</sup> happened; *fm!*

<sup>8</sup> a change or result that is caused by something

<sup>9</sup> a long time without rain when people do not have enough water

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

<sup>11</sup> experiencing something which is unpleasant

<sup>12</sup> damaging something so badly that it does not exist or cannot be used

<sup>13</sup> 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.



### 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**<sup>1</sup> **energy**<sup>2</sup> e.g. **switch off** lights when you leave a room.
- 3 Don't **waste**<sup>3</sup> water, e.g. turn off the **tap** when you are brushing your teeth.
- 4 Change **light bulbs** for more **energy-efficient**<sup>4</sup> ones.
- 5 Drive less and walk more.
- 6 **Plant trees**<sup>5</sup> because trees reduce the amount of carbon dioxide in the atmosphere, and so reduce greenhouse gases.

\* the answer to a problem

<sup>1</sup> don't waste

<sup>2</sup> gas and electricity

<sup>3</sup> use it badly

<sup>4</sup> working well and not wasting energy

<sup>5</sup> put a new tree in the ground

# Exercises

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

- |                   |   |            |                    |  |  |
|-------------------|---|------------|--------------------|--|--|
| 1 g <u>l</u> obal | Is it like <u>g</u> o or <u>g</u> ot?           | <i>g</i> o | 4 drou <u>gh</u> t | Is it like <u>n</u> o or <u>n</u> ow?                    |  |
| 2 flo <u>o</u> d  | Is it like <u>f</u> oo <u>t</u> or <u>f</u> un? |            | 5 su <u>ff</u> er  | Is it like <u>s</u> o <u>n</u> or <u>s</u> oo <u>n</u> ? |  |
| 3 fu <u>e</u> l   | Is it like <u>f</u> oo <u>d</u> or <u>f</u> ew? |            | 6 clim <u>a</u> te | Is it like educ <u>a</u> te or comfort <u>a</u> ble?     |  |

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

- |                  |                          |   |           |
|------------------|--------------------------|---|-----------|
| 1 the greenhouse | <input type="checkbox"/> | c | 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 <sup>1</sup> *throw away* ..... paper, glass and plastic; <sup>2</sup> ..... it.
- Don't <sup>3</sup> ..... water: turn off the <sup>4</sup> ..... when you brush your teeth.
- <sup>5</sup> ..... energy by <sup>6</sup> ..... off lights when you leave a room.
- <sup>7</sup> ..... trees in order to <sup>8</sup> ..... the amount of carbon dioxide.
- <sup>9</sup> ..... 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 ..... the greenhouse effect.
- 3 Global warming is the ..... of an increase in the amount of greenhouse gases.
- 4 Two ..... of climate change have been hotter summers and wetter winters.
- 5 A ..... is often the result of too much rain when the rivers are full.
- 6 A ..... is a long period without rain, and they are ..... more frequently now.
- 7 The ..... is the air, land and water around us.
- 8 If you ..... something, it is so badly damaged, it cannot be used again.
- 9 If something is ..... , it works well and doesn't waste energy.
- 10 ..... 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	<i>recycling</i>		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?