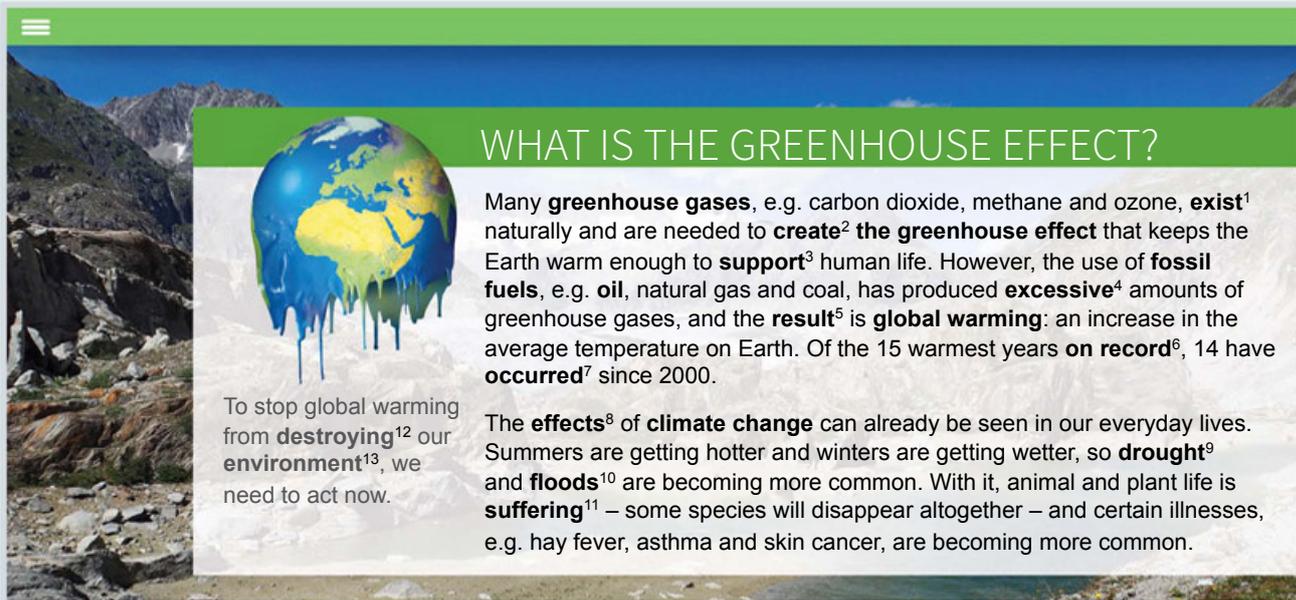


## A The problem



### 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; *fml*

<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 global Is it like go or got? *g*o                      4 drought Is it like no or now?  
 2 flood Is it like foot or fun?                              5 suffer Is it like son or soon?  
 3 fuel Is it like food or few?                              6 climate Is it like educate or comfortable?

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

- |                  |                                     |           |
|------------------|-------------------------------------|-----------|
| 1 the greenhouse | <input checked="" 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 <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?

## Unit 58

**58.1** 2 fun 3 few 4 now 5 son 6 comfortable

**58.2** 2 a 3 d 4 e 5 b

**58.3** 2 recycle 5 Save 8 reduce  
3 waste 6 switching/turning 9 Take  
4 tap 7 Plant

**58.4** 2 create 7 environment  
3 result 8 destroy  
4 effects 9 efficient  
5 flood 10 Energy  
6 drought; occurring/happening

58.5		58.5	
verb	noun	verb	noun
recycle	<i>recycling</i>	solve	solution
waste	waste	reduce	reduction
destroy	destruction	support	support
exist	existence	suffer	suffering

**58.6** Possible answers:

- 1 You can certainly see changes in the climate. The weather seems more extreme: more hot weather, more wet weather, etc.
- 2 We have to put our household rubbish in different containers every week so that more things are recycled, e.g. one container for newspapers; one for bottles, tins and plastic; one for garden rubbish, etc.
- 3 Yes, I waste energy. I leave lights on and taps running; but I only use the car for essential journeys.
- 4 I could turn off taps and lights, drive a smaller car, and do things to the house to make it more energy-efficient. Climate change worries me when I think about it.

## Unit 59

**59.1** die is a verb war is a noun  
attack is a noun and verb defend is a verb  
death is a noun escape is a noun and verb  
shoot is a verb hide is a verb

**59.2** 2 shot 5 exploded; killed 8 defend (protect is also possible)  
3 hide 6 searching 9 carrying  
4 escape / get away 7 destroyed

**59.3** 2 battle 5 dead 8 carry  
3 both are correct 6 both are correct 9 shot  
4 destroyed 7 died

**59.4** 2 soldiers (army is possible) 6 killed  
3 enemy 7 army  
4 bomb 8 took place  
5 violent

**59.5** destruction, e.g. The bomb caused a huge amount of destruction.  
explosion, e.g. The explosion happened outside the main gates.  
defence, e.g. The army are responsible for the defence of the nation.