

Climate Chaos

Day 3 Afternoon session: Climate–friendly lifestyles

Activity 1: Climate change quiz

You will need

- Copies of the **climate change quiz** – either one per pupil, one per group or one for the whole class (below)
- A copy of the **answer sheet** for yourself (below)

Aim

To further raise awareness about causes and effects of climate change.

What to do

Ask the children to do the quiz, either individually, in groups, or as a whole class. Go through the answers together. Explain any that they do not understand.

- Which answers surprised them most?
- Has it given them more ideas of ways we could use less fossil fuels?

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Climate change quiz

1. Up to _____ of energy in homes is wasted by keeping equipment on standby. **2% / 13% / 20%**
2. If everyone boiled only the water they needed, instead of filling the kettle to the top, it would save enough electricity in a year to run more than three-quarters of the street lighting in the whole country. **True or false?**
3. Energy-efficient light bulbs and compact fluorescent bulbs last 20 times longer than a standard bulb and use half of the electricity. **True or false?**
4. The average household could save around £100 a year by using energy more efficiently. This would save about one tonne of carbon dioxide per year (enough to fill 340,000 balloons, holding 1 ½ litres each!). **True or false?**
5. In 1961 only 30% of households in Great Britain had a car. By 2004 _____ of households had a car and 29% owned two or more. **50% / 80% / 100%**
6. People are travelling a lot further than they used to. In the last 30 years, the average distance people travel has increased from around 4,500 miles to about 6,800 miles a year. **True or false?**
7. A holidaymaker flying to Florida and back creates as much carbon dioxide as the average British motorist produces in a _____. **week / month / year**
8. Road transport produces about _____ of UK carbon dioxide emissions. **a tenth / a quarter / a half**
9. Food (growing it, processing it, transporting it, throwing it away) makes up about _____ of our contribution to climate change. **3% / 12% / 30%**
10. Bottled water uses around _____ times more energy than tap water (mainly for packaging and transport). **20 / 100 / 300**
11. The area of the world suffering from droughts doubled between 1970 and 2000. **True or false?**

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Climate change quiz – answers

1. Up to **13 per cent** of energy in homes is wasted by keeping equipment on standby.
2. If everyone boiled only the water they needed, instead of filling the kettle to the top, it would save enough electricity in a year to run more than three-quarters of the street lighting in the whole country. **True.**
3. Energy-efficient light bulbs – compact fluorescent bulbs – last 20 times longer than a standard bulb and use half the electricity. **False – it should be 10 times and a third.**
4. The average household could save around £100 a year by using energy more efficiently. This would save about one tonne of carbon dioxide per year (enough to fill 340,000 balloons, holding 1½ litres each!). **False – it should be £200, 2 tonnes and 680,000 balloons.**
5. In 1961 only 30 per cent of households in Great Britain had a car. By 2004 **80 per cent** of households had a car and 29 per cent owned two or more.
6. People are travelling a lot further than they used to. In the last 30 years, the average distance people travel has increased from around 4,500 miles to about 6,800 miles a year. **True.**
7. A holidaymaker flying to Florida and back creates as much carbon dioxide as the average British motorist produces in **a year.**
8. Road transport produces about **a quarter** of UK carbon dioxide emissions.
9. Food (growing it, processing it, transporting it, throwing it away) makes up about **30 per cent** of our contribution to climate change.
10. Bottled water uses around **300 times** more energy than tap water (mainly for packaging and transport).
11. The area of the world suffering from droughts doubled between 1970 and 2000. **True.**