

Carbon-cutting quiz

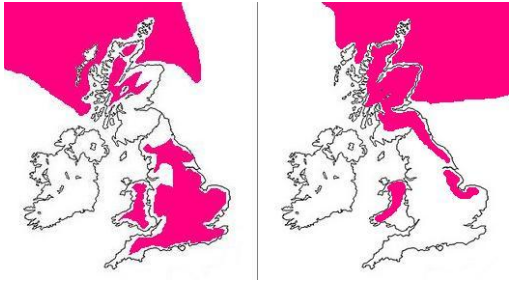
Test your knowledge of all things low-carbon. Will your team come out on top?

- 1) **The Kyoto Protocol is the first global agreement on tackling climate change. When was it adopted?**
a) 1987 b) 1990 c) 1997 d) 2001

- 2) **How much has the concentration of carbon dioxide in our atmosphere increased since the industrial revolution?**
a) 9% b) 17% c) 25% d) 36%

- 3) **In 2003, 11% of UK businesses had an environmental policy. How many had one in 2005?**
a) 15% b) 30% c) 45% d) 60%

- 4) **How long would it take the Sun's energy to power the world economy for one year?**
a) One minute b) One day c) One month d) Six months

- 5) **Which regions of the UK provide the best wind resources?**
a) Wales, the south and east of England and parts of Scotland, the north of the North Sea and the north Atlantic.
b) Scotland, the north east of England and parts of Wales, and the North Sea.


- 6) **The UN has suggested that renewable energy could provide a significant proportion of the world's energy by 2050. What was their estimate?**
a) 80% b) 55% c) 40% d) 25%

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7) Which of these countries is aiming to become the first carbon neutral nation?

- a) Iceland b) Japan c) Mexico d) Netherlands

8) One tonne of CO₂ is equivalent in volume to a:

- a) Small wardrobe.
b) Three bedroom house.
c) Space hopper.
d) Living room.



9) What produces one tonne of CO₂?

- a) A one-way flight from London to Bangkok.
b) A return drive from London to Lisbon.
c) 850 tumble dryer cycles.
d) All of the above.



10) What is the average carbon footprint of a London resident?

- a) 7 tonnes b) 11 tonnes c) 15 tonnes d) 20 tonnes

11) How much higher is the average UK individual's carbon footprint than the world average?

- a) Two tonnes b) Four tonnes c) Six tonnes d) Eight tonnes

12) By replacing an old gas boiler with a more efficient modern one, how much could you save on your heating bills?

- a) 20% b) 30% c) 40% d) 50%

13) If your computer is still powered on, will the screensaver save energy?

- a) Yes b) No

14) By how many degrees would you need to turn down your central heating to save £50 on your annual gas bill?

- a) 1° b) 4° c) 6° d) 8°

- 15) What has a carbon footprint of about 125 million tonnes per year?
- a) Average global car usage.
 - b) Average global mobile phone usage.
 - c) Average global battery production.
 - d) All of the above.
- 16) Lighting an office overnight uses enough energy to make how many cups of coffee?
- a) 20
 - b) 100
 - c) 500
 - d) 1000
- 17) How much more energy does it require to produce a shop-bought bottled beer compared to a locally brewed cask ale bought at a public house?
- a) The same
 - b) 2x as much
 - c) 3x as much
 - d) 4x as much
- 18) How much could devices left on stand-by add to your electricity bill every year?
- a) £14
 - b) £22
 - c) £37
 - d) £45
- 19) What is the carbon footprint of Imelda Marcos' 2700-strong shoe collection?
- a) 30 tonnes
 - b) 25 tonnes
 - c) 20 tonnes
 - d) 15 tonnes
- 20) Tie-breaker: the following quote is from Electrical World magazine. In what year was it published?

“The fundamental reasons why the electric car has not attained the popularity it deserves are (1) The failure of the manufacturers to properly educate the general public regarding the wonderful utility of the electric; (2) The failure of [power companies] to make it easy to own and operate the electric by an adequate distribution of charging and boosting stations. The early electrics of limited speed, range and utility produced popular impressions which still exist.”

Closest guess wins.