

The Kidz Carbon Quiz

CO2e What's that? Man-made climate change, also known as global warming, is caused by the release of certain types of gas into the atmosphere. The dominant man-made greenhouse gas is carbon dioxide (CO₂)

The answers are at the bottom of the page!

1. Humans are the dominant cause of climate change?

CO₂ TRUE OR FALSE

2. Which has the highest carbon footprint?



A. Using 2 pints of cow's milk a day for a year

OR



B. A return economy flight from London to Madrid

3. Which is more energy efficient - boiling water using an electric kettle, a kettle on a gas hob or a microwave oven?



4. Can you put these in order with the lowest carbon emissions at the top?



A. 1kg local and seasonal apples.

B. 1kg of oranges.

C. 1kg of bananas.



5. If a 3 minute shower uses 90g of CO₂e

A. How much for a 6 minute shower?

B. How much for a 15 minute shower?



6. If you needed to go from London to Glasgow and back, which is the greenest form of transport to use?

A. Coach

B. Plane

C. Train



7. Which is the lowest carbon option for getting shopping from a supermarket?

A. Delivery by electric van

B. Shop by electric bike

C. Delivery by diesel van

D. Driving to the supermarket in the average petrol car.

ANSWERS: Figures from 2020 edition of 'How Bad are Bananas'

4. Lowest = apples; then bananas (bananas are almost never transported by plane); highest = oranges.
5. 6 min = 180g; 15 min = 450g
6. Lowest = coach; then train; highest = plane
7. Lowest = 40g electric bike; 150g delivery by electric van; 450g delivery by diesel van; highest 1kg driving in a petrol car.

1. TRUE
2. Both the same.
3. The kettle and microwave are about the same and more efficient than a kettle on a gas hob, although the carbon emissions are similar. That is because a gas hob loses more heat but for the same energy gas emits less carbon than electricity.