Quiz on climate change

What do you know about climate change? How many points will you score if you put your knowledge to the test? You can try this out with the quiz below. Or you can try it out on your fellow students, your parents, teachers, or people in the street. What questions do many people find difficult to answer, and which are the ones that everyone knows the answer to? Try to form a picture of how concerned the people around you are about the issue of climate change.

How many years in the past 12 have been among the warmest on record – 3, 7 or 12 years?

It is still possible to prevent a rise in the average temperature of the Earth. True or false?

The six greenhouse gases are:
- Laughing gas
- Gigling gas
- Carbon dioxide
- Methane
- Nitrous oxide
- Perfluorocarbons (PFCs)
- Perforated carboniferates (PCFs)
- Sulphur hexafluoride (SF6)
- Hydrofluorocarbons (HFCs)

Methane is produced by ...
- Vehicle exhaust fumes
- Loud singing in the shower
- The digestive system of cattle and camels

HCFCs (= Hydrochlorofluorocarbons) are no longer used in spray cans today. True or false?

A CO₂ footprint is ...
- A way of measuring compliance with environmental standards in the manufacture of industrial products
- A way of measuring compliance with environmental standards in the manufacture of flip-flops
- A way of measuring the CO₂ emitted by a person, a city, or a country in relation to the area that would be required to absorb the greenhouse gases

Germany’s annual CO₂ emissions are 10.5 tonnes per head of population. How many tonnes of CO₂ are generated on a flight from Berlin to New York, calculated on a per passenger basis?
- 0.5 t
- 2.1 t
- 4.6 t

On average, one European produces as much CO₂ emissions as how many Africans?
- 1
- 14
- 28

Signatories of the Kyoto Protocol agreed to reduce CO₂ emissions by at least how much on average relative to 1990 levels?
- 5%
- 15.5%
- 20%
- 40%

By 2012, when the 1997 Kyoto Protocol expires, worldwide greenhouse gas emissions will be approximately 40% higher than in 1990, the baseline year to which the agreement refers. True or false?
Quiz on climate change: Answers

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12

It is still possible to prevent a rise in the average temperature of the Earth. True or false?

Scientically it is difficult to exactly predict future climate. The many existing and complex climate models often predict different outcomes. However, the prevalent opinion is that the global mean temperature is rising already. Thus: false!

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HCFCs (= Hydrochlorofluorocarbons) are no longer used in spray cans today. True or false?

Since 1991 spray can produced in Germany are not allowed to contain In Eastern Europe HCFC is still in use. The stuff that is used instead of HCFCs in Germany now is less, but still harmful to the atmosphere...

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By 2012, when the 1997 Kyoto Protocol expires, worldwide greenhouse gas emissions will be approximately 40% higher than in 1990, the baseline year to which the agreement refers. True or false?

True! It can not be predicted exactly today, but the trend in greenhouse gas emissions is rising...