



Climate Change

Cause, effect and response

What is climate change?

- Climate change is the warming up of the earth's temperature over the last 100 years.
- The average temperature on the planet has increased by 0.75°C since 1900.
- The last decade has seen global temperatures rise to the highest levels ever recorded.

Climate change

Climate change will affect my environment!

What causes global warming and climate change?



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Climate change is caused by the Greenhouse Effect. This is how the earth keeps heat in the atmosphere.



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How does deforestation affect the Greenhouse Effect?



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Trees change carbon dioxide into oxygen. Less trees means more carbon dioxide in the atmosphere. Tropical rainforests are being cut down for many reasons.



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Why is so much deforestation happening?



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The main reason for deforestation is the demand for fuel, wood and paper products, cattle ranching, farming, mining and road construction.



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What effect will climate change have?



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Climate change – the future?
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By 2040, world temperatures may increase by 4°C. What changes would you see?



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Climate change – the future?
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Global sea level rose about 17cm in the last century. The rate in the last decade, however, is nearly double that of the last century!



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Climate change – future plans?
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What could we do to slow down global warming?



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Climate change – future plans?

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1. Tree planting programmes.
2. Reduce population growth – use less resources.

