

## Global Warming...

...is the trend of rising temperatures and changes in climate.


Greenhouse gases trap the sun's heat and keep it in the earth's atmosphere. This process has kept the earth warm for billions of years.

The main greenhouse gas is **carbon dioxide** which stays in the atmosphere for 50 - 100 years.

Where does all this **CO<sub>2</sub>** come from?

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 [http://www.ted.com/talks/james\\_balog\\_time\\_lapse\\_proof\\_of\\_extreme\\_ice\\_loss.html](http://www.ted.com/talks/james_balog_time_lapse_proof_of_extreme_ice_loss.html)

Climatologists using computer models predict global warming of 3 - 5 degrees in the next 50 years.

This rise in temperature would cause higher sea levels, changing rainfall patterns affecting agriculture.


If we could stop the emission of greenhouse gases today, the earth would continue to warm up at about 1/10 of a degree for at least a few decades.

How can we reduce the greenhouse effect and slow global warming???


**The One-Tonne Challenge** was a challenge presented by the Government of Canada in March 2004 for Canadians to reduce their greenhouse gas emissions by one tonne each year.

The figure represents 20% of total greenhouse gas output by Canadians and aimed to help the country reach its Kyoto Protocol emission reduction targets. The Liberal Government under Jean Chrétien and Paul Martin approved over \$45 million dollars to fund the program from 2003 to 2006.

[http://www.youtube.com/watch?v=oJAbATJCugs&feature=player\\_embedded](http://www.youtube.com/watch?v=oJAbATJCugs&feature=player_embedded)

 [Global Warming 101](#)

<http://vimeo.com/8119882>

 [One Degree Matters](#)


[An Inconvenient Truth](#)

[Climate Change in the Arctic](#)


[http://www.youtube.com/watch?v=yyPKB1Ag5Yw&safety\\_mode=true&persist\\_safety\\_mo](http://www.youtube.com/watch?v=yyPKB1Ag5Yw&safety_mode=true&persist_safety_mo)




## What is your Carbon Footprint?

 [http://www.footprintnetwork.org/en/index.php/gfn/page/personal\\_footprint/](http://www.footprintnetwork.org/en/index.php/gfn/page/personal_footprint/)

 <http://www.cooltheworld.com/kidscarboncalculator.php>

 <http://www.leaderframes.com/index.php?action=display&cat=21>

## Find out what you can do at ...

 <http://www.davidsuzuki.org/issues/climate-change/science/climate-solutions/?gclid=CJXC-ZSW1bkCFQSf4AodFDYAaw>

## "Counting the Real Cost of Cars"

Teaching About Climate Change

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