

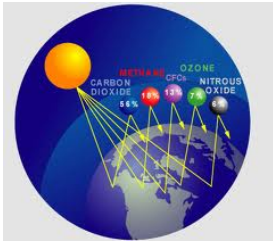
Global Warming

Created: Saturday, 18 June 2011 10:05 | Published: Saturday, 18 June 2011 10:05 | Written by [Super User](#) | [Print](#)

Climate Change

The atmosphere of the Earth consists of gases known as [greenhouse gases](#). It plays an important role in allowing life to exist on earth. It is recording an alarming rise and is signs of an ominous future.

Our planet absorbs energy from the sun to sustain life. It also releases part of this energy into the atmosphere in the form of infrared rays. These rays, invisible to the naked eye, are felt in the form of [heat](#). Greenhouse gases present in the atmosphere in small quantities are not allowing this heat to escape into space. Hence it flows back into the Earth's atmosphere, and helps maintain a temperature suitable for life to exist on Earth.



After the industrial revolution, the concentration of greenhouse gases rose considerably, causing the

Earth to become warmer. This rise in temperature has led to [climate change](#). This climate change of a place can happen over long periods of time when natural changes in the atmosphere lead to an increase in the greenhouse gases. Therefore over a period of time, the earth naturally gets warmer.

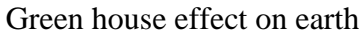
Definitions:

- Global warming is the increase in the [average temperature](#) of [Earth's](#) near-surface air and oceans.
A greenhouse gas is a gas in an atmosphere that [absorbs](#) and [emits](#) radiation within the [thermal infrared](#) range.
- Climate change is a long-term change in the statistical distribution of [weather](#) patterns over [periods of time](#)

Reasons for Global Warming

Human activity, such as burning of fuel, coal and gas has interfered with the natural carbon cycle and it is these carbon emissions that are the predominant reason for global warming.

The Greenhouse Gases



Nitrous oxide: Released into the atmosphere through burning fuels.

How Carbon is added to the atmosphere?

-
- The diagram illustrates the complex interactions between climate change and various environmental and human health factors. At the top, a light blue oval labeled "Climate change" is connected by dashed blue lines to four other ovals: "Stratospheric ozone depletion" (pink), "Desertification and land degradation" (orange), "Biodiversity loss and ecosystem function" (green), and "Freshwater decline" (light blue). Solid colored arrows represent direct impacts: a pink arrow from "Climate change" to "Stratospheric ozone depletion", an orange arrow to "Desertification and land degradation", a green arrow to "Biodiversity loss and ecosystem function", and a light blue arrow to "Freshwater decline". A central yellow oval labeled "Human health" is connected to "Climate change" by a blue arrow labeled "Diverse pathways". "Human health" is also connected to "Stratospheric ozone depletion" (purple arrow labeled "UV exposure"), "Desertification and land degradation" (orange arrow labeled "Agroecosystem productivity"), "Biodiversity loss and ecosystem function" (green arrow labeled "Decline in several ecosystem services"), and "Freshwater decline" (light blue arrow labeled "Water quantity and safety"). "Desertification and land degradation" is connected to "Biodiversity loss and ecosystem function" (green arrow labeled "Population displacement") and "Freshwater decline" (light blue arrow labeled "Altered precipitation"). "Biodiversity loss and ecosystem function" and "Freshwater decline" are connected by a double-headed green arrow.

- The [Kyoto Protocol](#) was created in Japan in 1997 and came into effect in 2005.
- In accordance with the agreement, the target was to achieve an aggregate fall of 12% by 2012.

Want to know more about Global warming?[click here](#) to schedule live online session with e Tutor!

About eAge Tutoring:

eAgeTutor.com is the premium online tutoring provider. Using materials developed by highly qualified educators and leading content developers, a team of top-notch software experts, and a group of passionate educators, eAgeTutor works to ensure the success and satisfaction of all of its students.

[Contact us](#) today to learn more about our tutoring programs and discuss how we can help make the dreams of the student in your life come true!

Reference Links:

- http://en.wikipedia.org/wiki/Kyoto_Protocol
- http://en.wikipedia.org/wiki/Global_warming
- <http://www.globalwarming.org.in/>
- http://library.thinkquest.org/CR0215471/global_warming.htm
- http://en.wikipedia.org/wiki/Greenhouse_gas
- http://en.wikipedia.org/wiki/Climate_change
- <http://www.youtube.com/watch?v=oJAbATJCugs>

Category:ROOT

[Joomla SEF URLs by Artio](#)