

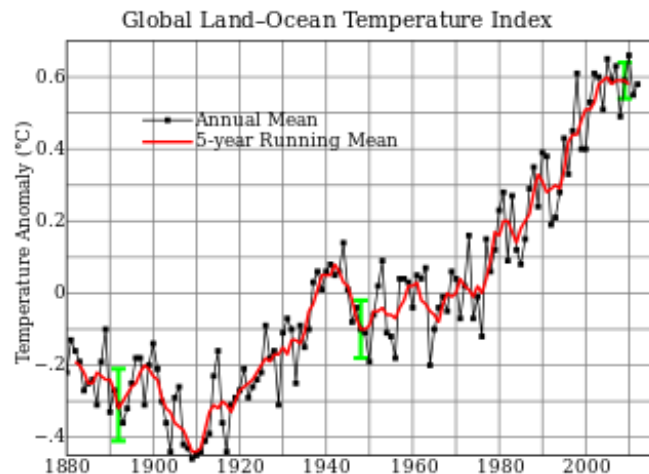
Global Warming & Green House

Global Warming:

A gradual increase in the overall temperature of the earth's atmosphere generally attributed to the greenhouse effect caused by increased levels of carbon dioxide, CFCs, and other pollutants.

What is Global Warming?

Global Warming is the increase of Earth's average surface temperature due to effect of greenhouse gases, such as carbon dioxide emissions from burning fossil fuels or from deforestation, which trap heat that would otherwise escape from Earth. This is a type of greenhouse effect.



Global warming is the rise in the average temperature of Earth's atmosphere and oceans since the late 19th century and its projected continuation. Since the early 20th century, Earth's mean surface temperature has increased by about 0.8 °C (1.4 °F), with about two-thirds of the increase occurring since 1980. Warming of the climate system is unequivocal, and scientists are 95-100% certain that it is primarily caused by increasing concentrations of greenhouse gases produced by human activities such as the burning of fossil fuels and deforestation. These findings are recognized by the national science academies of all major industrialized nations.

Green House :

A glass building in which plants that need protection from cold weather are grown.

A greenhouse (also called a glasshouse) is a building in which plants are grown. These structures range in size from small sheds to industrial-sized buildings. A miniature greenhouse is known as a cold frame.

A **greenhouse** is a structural building with different types of covering materials, such as a glass or plastic roof and frequently glass or plastic walls; it heats up because incoming visible solar radiation (for which the glass is transparent) from the sun is absorbed by plants, soil, and

other things inside the building. Air warmed by the heat from hot interior surfaces is retained in the building by the roof and wall. In addition, the warmed structures and plants inside the greenhouse re-radiate some of their thermal energy in the infrared spectrum, to which glass is partly opaque, so some of this energy is also trapped inside the glasshouse



Green House Effect?

The greenhouse effect is the process by which absorption and emission of infrared radiation by gases in the atmosphere warm a planet's lower atmosphere and surface. It was proposed by Joseph Fourier in 1824, discovered in 1860 by John Tyndall, was first investigated quantitatively by Svante Arrhenius in 1896, and was developed in the 1930s through 1960s by Guy Stewart Callendar.

What is the Difference between Global Warming and Greenhouse Effect?

Key Difference: Global warming is when the average temperature of the Earth's atmosphere and the oceans rise. Greenhouse effect is the retention of the heat by the greenhouses gases on the surface of the Earth, allowing the planet's temperature to rise.

Global warming and the greenhouse effect are two terms that have been constantly under debate among environmentalists, who are currently fighting to reduce the effect of these dangerous conditions on the Earth. Both global warming and greenhouse effect are related to each other and are greatly responsible for early springs, really hot summers, really cold winters and even most of the natural disasters that are happening around the world. These two play an important part in the sustainability of the Earth and are completely different from each other.



Global warming is the constant increase in the temperature of the planet, while greenhouse effect is the rise greenhouses gases which trap heat on the surface absorbed by the atmosphere from the sun. Greenhouse effect is a contributing factor to the global warming. Even with all the limitations placed on emission control, the temperature of the Earth is expected to continue to rise. As they say the damage is done, however we can control how fast the temperature rises.

	Global Warming	Greenhouse Effect
Definition	Global warming is when the average temperature of the Earth's atmosphere and the oceans rise.	Greenhouse effect is the retention of the heat by the greenhouses gases on the surface of the Earth, allowing the planet's temperature to rise.
Discovery	There is no clear indication as to when the effects of global warming were discovered. It became popular topic of discussion during the last 50-60 years.	Joseph Fourier in 1824
Causes	Combustion of fossil fuels, pollution, mining, deforestation, population, etc	Increase of greenhouse gases, mining, combustion of fossil fuels, deforestation, population, global warming, etc.
Effects	Rising sea levels, melting of ice glaciers, extinction of species, oxygen depletion, volcanoes, earthquakes, acidification, depleted food supply, etc	droughts, flooding, melting of snow, extreme weather conditions, natural calamities, rising sea level, etc.
Solutions	Though the damage is already done, however to reduce the acceleration rate of global warming it is important to cut down on emissions in any way possible, planting of new trees, reducing dependency on cars, etc.	Though the damage is already done, however to reduce the acceleration rate of global warming it is important to cut down on emissions in any way possible, planting of new trees, reducing dependency on cars, etc.