

Global Warming is defined as the increase of the average temperature on Earth. As the Earth is getting horter, disasters like hurricanes, foroights and floods are getting more frequent. Over the last 100 years, the average temperature of the sir near the Earth's surface has risen a little lest shan 1** Celsius (0.74 ± 0.18°C, or 1.3 ± 0.32° Fahrenheit). Does not seem all that much? It is responsible for the conspicuous increase in storms, floods and raging forcest fires we have seen in the last ten years, though, any scientists. Their data show that an increase of one degree Celsius males the Earth warmer now than it has been for at least a thousand years.

Farth should be in

Earth should be in cool-down-period

cool-down-period
But if s not coly about how much the
Earth is vetering, it is in about how
fast it is werning. There he always
been natural dimate changes – loc Ages
matural dimate changes – loc Ages
times between them – but those
evolved over periods of 50,000 to
100,000 years. A temperature rise as
fast as the one we have seen over the
last 30 years has never happened
before, as far as sicinstits can ascertain.
Moreover, normally the Earth should
now be in a cool-down-period,
according to natural effects like solar
cycles and volaron activity,
not in a heating-up phase.

Natural and man-made causes

Global Warming is caused by many things in the causes are split up into two groups, more properly causes, and natural causes.

Natural Causes and Cause and Causes an

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Effect?

Sen from space, our
amoughers is but a titly layer of
gas around a huge bulky planet.
But it is this gaseous outer ring
and its misleadingly called
generhouse effect that makes if
on 6arth possible – and that
could destroy life as we know it.
The sun is the Earth's primary
energy source, a burning stars on
hort bat we can feel its hest from
over 150 million kilometers away,
its rays enter our atmosphere and
shower upon on our planet.
About one third of this bolar
energy is by stimmetring glaclers,
water and other hight's surfaces.
Two thirds, however, are absorbed
by the Earth, thus warming land,
occases, and atmosphere.
Much of this heart maldate shot
out into space, but some of it is
stoned in the atmosphere, has no
glass walls the only thing that
comes close to acting as such is
our atmosphere. But in

here, processes are way more complicated then in a real greenhouse.

Only about half of all solar energy that reaches the Earth is infrared radiation and causes immediate warming when pasting the around the solar energy that reaches the Earth is infrared radiation and causes immediate warming when pasting the around the solar energy, and only translates into heat once it has Earth and is later reflected back into space as waves of this Earth and is later reflected back into space as waves of marked radiation. This transformation of solar middation in the infrared radiation is ruckill, because infrared radiation can be absorbed by the atmosphere. So, on a cold and clear night for example, parts of this infrared radiation that would normally disapple into space get caught up in the Earth's complete into space get caught up in the Earth's complete radiation that round in the middle of a form our atmosphere radiates this heat into all directions and into all directions.

We need new criteria for emission cuts



A petrochemical plant spews flue gas and steam at dawn. Such greenhouse gases are contributing to changes in climate Forest fires burn their way into climate change



New ordence suggests wildfires are a vilid card in climate change. The chemical junk that forest fires spew into the air might affect atmosphere, and on a scale strillar to the impact of sulfurous chemical from viocanic encyptions. This further complicates the complex challenge scientists face in trying to understand what's happening. Woltanic debris moving through the lower atmosphere washes out fairly quickly, But chemicals that needs the statiosphere spread smound the world. They underso neactions that aroot the taxteriosphere spread around the world. They underso neactions that aroot affects some incoming sunlight and cools the underlying atmosphere in the effect of a single eruption can lest for several years. He would be considered that the cools the underlying atmosphere in difference between the volcanic and inference between the volcanic and ofference between the volcan





are all factors that influence whether and how a sloop availanche.

Harricanes are gloridation to the common state can pack the common state can be common sta



ensurms called supercells spewn the ensure the tomadoes. Indicate torms occur around the world, United States is a major hotspot with thousand tomadoes every year. In Alley's a region that includes osstem should, Nebrasia, Kamas, Oldahoma, in Teas, and eastern Colorado, is home most powerful and destructive of these most powerful and destructive of these



Ordinary







