

What is Global Warming?

Why should we be concerned about Global Warming?

Many people consider that Global Warming is the _____ t environmental threat of the 21st Century.

However, during the 80s and early 90s scientists argued about the _____ and _____ of global warming.

In the late 1990s scientists reached a consensus that global warming was a _____ for _____.

So, why should you be concerned about global warming?

The sun sends out energy as _____ and _____. This energy comes to our earth during the _____.

Some of the sun's rays get " _____ " in the atmosphere.

Some of them get _____ back into _____.

The ones which get through the atmosphere _____ the earth up.

All the time, the earth radiates _____ into _____, which _____ it down. We only really notice this at _____,

when there is no heating from the sun.

Some of the heat going out is _____ by the atmosphere. This is what makes our planet _____ enough to live on.

But if _____ much heat is trapped, our planet will _____ up and the climate will _____.

How does the atmosphere trap heat?

Some of the gases in the atmosphere act like a _____, trapping heat. These gases are called ' _____ '.

This is known as the ' _____ Greenhouse Effect'. Without it, the earth would be much _____.

So why is global warming happening?

Some things that _____ do are increasing the amounts of the greenhouse gases in the atmosphere, so _____ heat is trapped.

The heating of the earth through human activities is called the

' _____ Greenhouse Effect' and this is causing the earth to heat up, or _____.

Global warming doesn't just mean that the earth gets hotter, it means that the whole _____ is _____.

What's the difference between "global warming" and "climate change"?

GLOBAL WARMING: is the increase of the Earth's _____ surface _____ due to a build-up of greenhouse gases in the atmosphere.

CLIMATE CHANGE: is a broader term that refers to _____ -
term changes in _____, including average
_____ and _____.

_____ Greenhouse effect: Quite a lot of heat is trapped and the
earth is warm enough for _____.

_____ Greenhouse effect: More heat is trapped and causes
global warming.

Which gases in the atmosphere trap heat?

The atmosphere is made of 78% _____ and 21% _____.
But these gases don't trap heat and cause global warming or climate change.

What % of the atmosphere is left?

The gases which trap heat make up less than 1% of the atmosphere! They
are called the ' _____ '.

The main greenhouse gases are:

_____ Nitrous oxide
Ozone _____ Halocarbons

Human activity increases the amount of these gases in the atmosphere

How do humans increase carbon dioxide levels in the atmosphere?

Burning _____ releases the carbon dioxide stored millions
of years ago. Most of the increased carbon dioxide comes from fossil fuels
Deforestation releases the carbon stored in _____. Less trees also
means less carbon dioxide can be _____ from the
atmosphere.

How do humans increase methane levels in the atmosphere?

Methane is produced when bacteria _____ organic matter

Methane is also released when fossil fuels are _____

The amount of methane in the atmosphere has increased by
_____ times since the Industrial Revolution.

What's the proof that global warming is taking place?

We _____ are thought to be the main cause of
global warming and climate change.....

Simple Things To Do

Turn _____ your computer or the TV when you're not using it.

Take _____ showers. Heating water uses energy.

Keep rooms cool by _____ the blinds, shades, or curtains.

Turn off the _____ when you leave a room.

Use compact fluorescent _____.

Dress _____ when it's hot instead of turning up the air
conditioning. Or use a fan.

Dress _____ when it's cold instead of turning up the heat.