

Article 2. What do you know about carbon dioxide?

Here are some things about it that might help you understand its effect on climate.

Carbon Dioxide will freeze at -109 degrees.

A tree can absorb as much as 48 pounds of carbon dioxide per year and can sequester 1 ton of carbon dioxide by the time it reaches 40 years old.

One large tree can provide a day's supply of oxygen for up to four people.

"On average, one tree produces nearly 260 pounds of oxygen each year. Two mature trees can provide enough oxygen for a family of four."

- *Environment Canada, Canada's national environmental agency*

## 3.04 trillion trees

"Crowther found that there are approximately 3.04 trillion **trees** exist on the planet today-"(Fact check.) Man that is a lot of trees and think of the oxygen they produce. If you want to know multiply 3.04 by 260 and you get how much oxygen trees give us a year.

There is a big controversial about the Amazon rainforest. This will help you understand why and why it is so important.

There are 247.105 **acres in a square kilometer** or **640 acres in a square mile**. This means there are about 500 **trees per acre** in the **Amazon rainforest**. So an **acre** in the **Amazon rainforest produces** 52,000 pounds or more of oxygen every year.

The **Amazon** represents over half of the planet's remaining **rainforests**, and comprises the largest and most biodiverse tract of tropical **rainforest** in the world, with an estimated 390 billion individual **trees** divided into 16,000 species.

"Espírito-Santo found that dead **Amazonian** trees emit an **estimated** 1.9 billion tons (1.7 billion metric tons) of **carbon** to the atmosphere each year. **In** a normal year, the **Amazon rainforest** absorbs about 2.2 billion tons (2 billion metric tons) of **carbon dioxide**, studies suggest. Espírito-Santo found that dead **Amazonian** trees emit an **estimated** 1.9 billion tons (1.7 billion metric tons) of **carbon** to the atmosphere each year. **In** a normal year, the **Amazon rainforest** absorbs about 2.2 billion tons (2 billion metric tons) of **carbon dioxide**. Studies suggest."

**Deforestation** is the permanent **destruction** of **forests** in order to make the land available for other uses. An estimated 18 million acres (7.3 million hectares) of **forest**, which is roughly the size of the country of Panama, are lost each year, according to the United Nations' Food and Agriculture Organization (FAO).Apr 3, 2018

Unbelievably, more than 200,000 acres of **rainforest** are burned every **day**. That is more than 150 acres lost every minute of every **day**, and 78 million acres lost every year! More than 20 percent of the Amazon **rainforest** is already gone, and **much** more is severely threatened as the **destruction** continues.

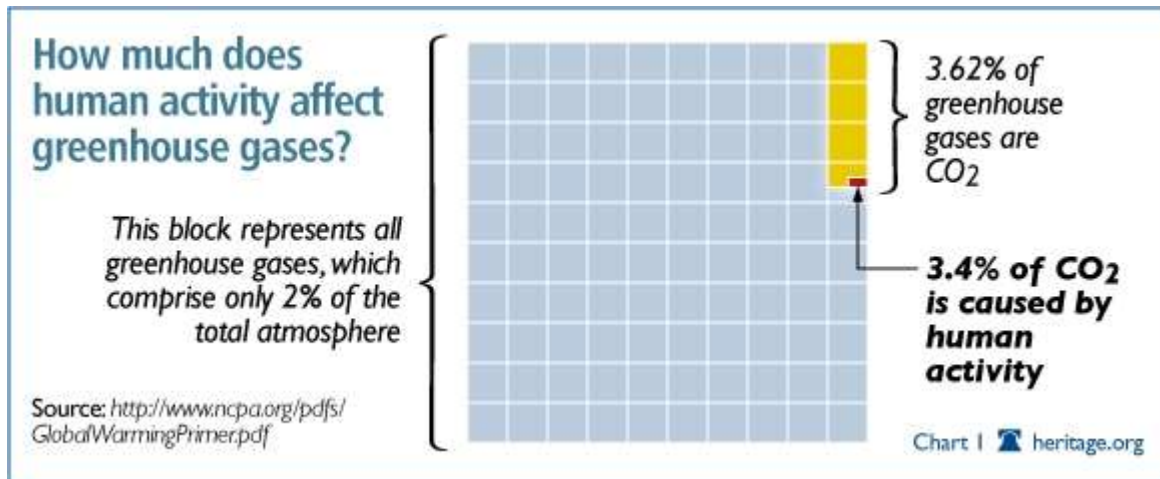
CO2 emissions by U.S. electric power sector by source, 2018

Source	Million metric tons	Share of sector total
Coal	1,150	65%
Natural gas	581	33%
Petroleum	21	1%
Other <sup>2</sup>	11	<1%
Total	1,763	

“China's emissions passed those of the U.S. in 2005, and by 2012 had surpassed the combined contribution of both the U.S. and the EU. If recent trends continue China will be responsible for the most atmospheric carbon dioxide in less than 20 years?” Forbs

According to the U.S. Geological Survey (USGS), the world's volcanoes, both on land and undersea, generate about 200 million tons of **carbon dioxide (CO<sub>2</sub>)** annually, while our automotive and industrial activities cause some 24 billion tons of **CO<sub>2</sub>** emissions every year worldwide

This data is from The Daily Signal



The oil giant BP tracks the global carbon emissions produced by oil, gas and coal and publishes its findings annually. Its 2018 [report](#) showed that U.S. carbon emissions dropped to 5.1 billion tonnes in 2017, a decline of nearly 42 million tonnes over 2016 levels. Please note that the USA has reduced its CO<sub>2</sub> more than any industrial country in the last few years.

Last year marked the ninth time this century that the U.S. had the largest reduction in global carbon emissions, according to BP

Despite these reductions, carbon emissions rose more than 1 percent globally last year. China and India accounted for the largest increases, together emitting an additional 212 million tonnes of carbon dioxide in 2017.

The U.S. accounted for 15.2 percent of global carbon emissions in 2017, behind only China, which accounted for 27.6 percent of global emissions. The USA could reduce its carbon dioxide to zero and it would make little difference in the world's carbon dioxide but the destruction of the world's trees will. The best thing that man can do is to recognize that he isn't going to change the climate very much. So the earth is going to continue warming for many years so the people are going to adapt to change.