

Interesting facts on climate change

Rising global temperatures

A rising trend in global temperatures have been noticed after analyzing data for the last century. Scientists are aware that the difference in temperatures around the world is very wide apart, but after taking readings at specific locations over a long period of time, it is observed that there are more places warming up than cooling down.

Carbon Dioxide (CO₂)

Humans burning coal, natural gas and oils for manufacturing and transportation, since the Industrial Revolution, has produced and released massive carbon dioxide and other greenhouse gases into the atmosphere.

To put this in perspective, about 38% more CO₂ has been released into the atmosphere, a value higher than has been measured for over 800,000 years. And yes, the amounts we release is still rising year after year.

Ocean acidification

The acidity of the earth's oceans is known to have increased by about 30%. This is a result of more CO₂ emitted since the Industrial Revolution, being absorbed by the oceans. CO₂ being absorbed by the upper layer of the oceans is increasing by about 2 billion tons per year.

Melting Glaciers

Glaciers are massive amounts of snow that have stayed long enough to harden into blocks of ice. Smaller blocks could be the size of a football field and larger ones could be hundreds of kilometers long. Glaciers can move like rivers too. On the average, glaciers are losing ice at the rate of about 28 inches of water per year. Scientists revealed that even though only a small fraction of glaciers have been monitored since 1980, the trend is one that we need to be aware of.