



carbon dioxide



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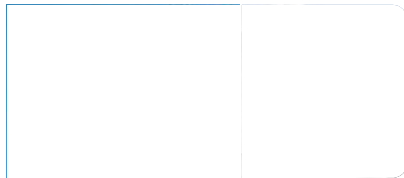
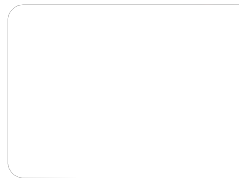
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# Carbon dioxide

Chemical compound

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Carbon dioxide (CO<sub>2</sub>) is an important heat-trapping gas, or greenhouse gas, that comes from the extraction and burning of fossil fuels (such as coal, oil, and natural gas), from wildfires, and from natural processes like volcanic eruptions.

NASA (.gov) <https://climate.nasa.gov/vital-signs/carbon-dioxide>

## Carbon Dioxide | Vital Signs - NASA Climate Change

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## Carbon dioxide

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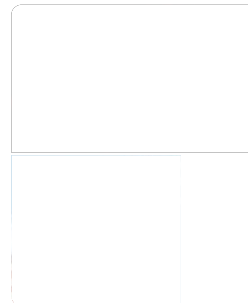
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carbon dioxide, (CO<sub>2</sub>), a colourless gas having a faint sharp odour and a sour taste. It is one of the most important greenhouse gases linked to global ...

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### About

Carbon dioxide is a chemical compound made up of molecules that each have one carbon atom covalently double bonded to two oxygen atoms. It is found in the gas state at room temperature, and as the source of available carbon in the carbon cycle, atmospheric CO<sub>2</sub> is the primary carbon source for life on Earth. [Wikipedia](#)

**Formula:** CO<sub>2</sub>

**Molar mass:** 44.01 g/mol

**Soluble in:** [Water](#)

**Boiling point:** -78.46 °C

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University Corporation for Atmospheric Research  
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**Carbon dioxide** is a colorless and non-flammable gas at normal temperature and pressure. Although much less abundant than nitrogen and oxygen in Earth's ...

National Institutes of Health (.gov)  
<https://pubchem.ncbi.nlm.nih.gov/compound/Carbon...>

### Carbon Dioxide | CO2 | CID 280

**Carbon dioxide** appears as a colorless odorless gas at atmospheric temperatures and pressures. Relatively nontoxic and noncombustible.

Natural History Museum  
<https://www.nhm.ac.uk/discover/quick-questions>

### Where does carbon dioxide come from?

**Carbon dioxide** (CO<sub>2</sub>) comes from both natural sources (including volcanoes, the breath of animals and plant decay) and human sources (primarily the burning ...

United States Environmental Protection Agency (.gov)  
<https://www.epa.gov/ghgemissions/overview-green...>

### Overview of Greenhouse Gases | US EPA

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Cambridge University Press & Assessment  
<https://dictionary.cambridge.org/dictionary/carbon...>

### CARBON DIOXIDE | English meaning - Cambridge Dictionary

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Columbia University  
<https://news.climate.columbia.edu/2021/02/25/carb...>

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