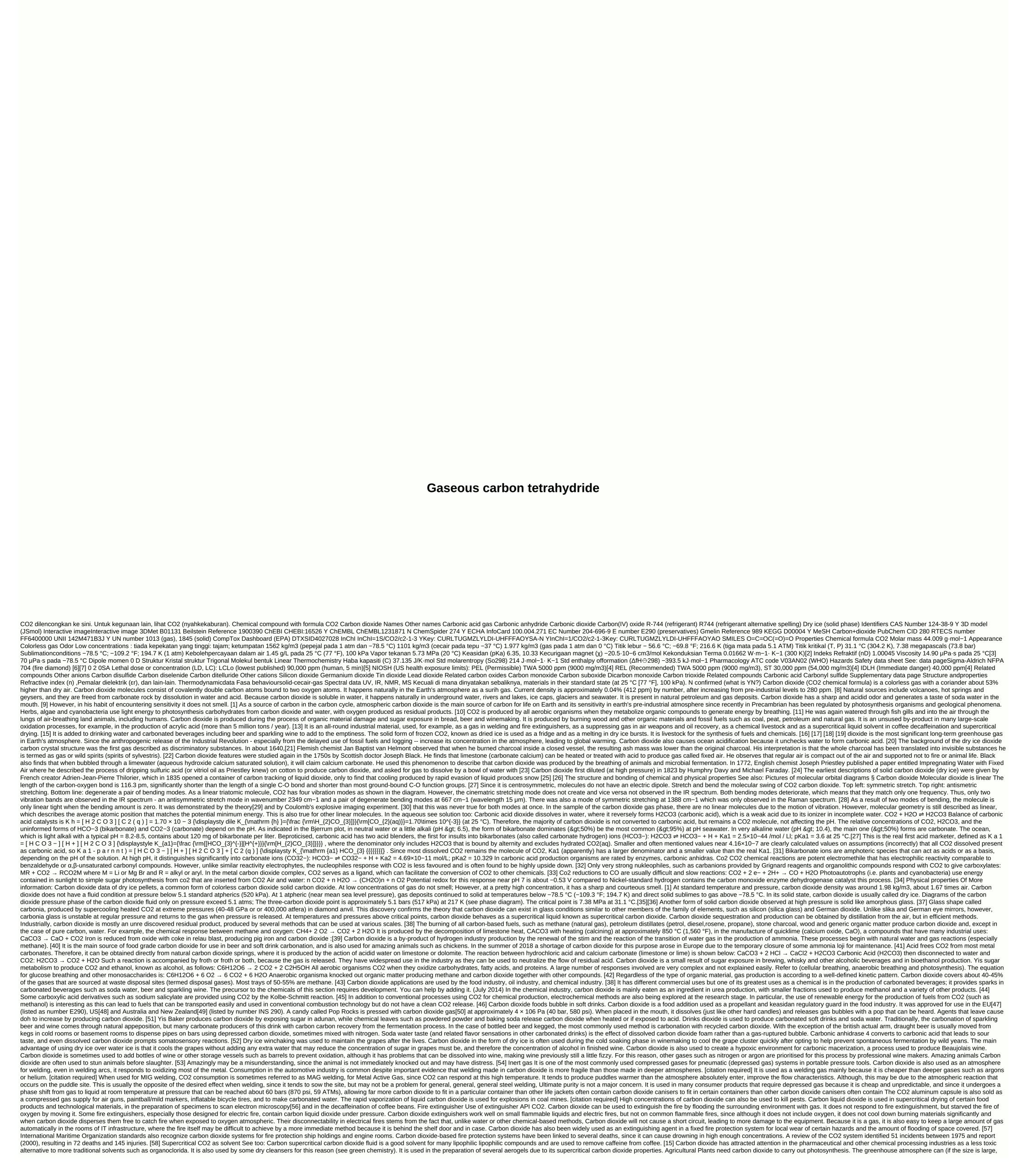
I'm not robot	reCAPTCHA
---------------	-----------

Continue



```
must) be enriched with extra CO2 to maintain and increase the growth rate of the plant. [59] [60] At very high concentrations (100 times the atmospheric concentrations (100 times the atmospheric concentration, or greater), carbon dioxide can be toxic to the life of animals, so increase concentrations (100 times the atmospheric concentration, or greater), carbon dioxide can be toxic to the life of animals, so increase concentrations (100 times the atmospheric concentration) and increase the growth rate of the plant.
 mites in the greenhouse. [61] Medical and pharmacological uses In medicine, up to 5% carbon dioxide (atmospheric concentration 130 times) are added to oxygen for respiratory stimulation after apnea and to stabilize the O2/CO2 balance in the blood. Carbon dioxide can be mixed with up to 50% oxygen, forming inhalable gas; This is known as Carbogen
 and has a wide range of medical and research uses. Energy Fossil Carbon dioxide fuel recovery is used in enhanced oil recovery where it is injected into or adjacent to produce oil wells, usually in supercritical conditions, when it becomes perverted with oil. This approach can improve the recovery of the original oil by reducing the satumption of waste oil
 between 7% to 23% in addition to the main extraction. [62] It acts as an urgent agent and, when dissolved into underground crude oil, significantly reduces its viscousness, and changes the surface chemistry that allows the oil to flow faster through the reservoir into removal well. [63] In the field of mature oil, a wide network of pipes was used to bring carbon
 dioxide to the injection point. In the rehabilitation of enhanced coal bed methane, carbon dioxide will be pumped into coal seams release trapped methane. [64] Biodiversity became the main article of fuel: Capture and carbon
 consumption It has been suggested that CO2 from power generation is hurled into a pond to stimulate algae growth that can then be converted into biodiesel fuel. [65] The cyanobacterium strain of Synechococcus elongatus has been genetically engineered for isobutyraldehyde fuels and isobutanol from CO2 using photosynthesis. [66] Comparison of carbon
 dioxide phase (red) and water (blue) phase diagrams as log-lin charts with phase transition points on 1 athsphere of liquid and solid carbon dioxide is an important refrigerator, especially in foods where they work during transportation and storage of ice cream and other frozen foods. Solid carbon dioxide is called dry ice and is used for small shipments where
 refrichant equipment is not practical. Solid carbon dioxide is always below -78.5 °C (-109.3 °F) at normal atmospheric pressure, regardless of air temperature. Carbon liquid dioxide (industrial nomenclature R744 or R-744) is used as a refrigerator before the R-12 discovery and may enjoy renaissance as R134a contributes to climate change of more than
 CO2. Its physical properties are very profitable for cooling, cooling, cooling, cooling, and heating purposes, have a high volumetric cooling capacity. Due to the need to operate at pressure up to 130 bars (1880 psi), the CO2 system requires highly resistant components that have been developed for mass production in many sectors. In car air conditioning, in more than 90% of
 all driving conditions for latitudes higher than 50°, R744 operates more efficiently than the system using R134a. Its environmental advantage (GWP 1, not cut ozone, non-toxic, non-compromise) can make it a future work fluid to replace HFC while in cars, supermarkets, and heat pump water heaters, among other things. Coca-Cola has fielded CO2-based
 beverage cooling and the U.S. Army is interested in co2 refriishing and heating technology. [67] [68] The global car industry is expected to decide the next generation refrigerator in the air conditioner) Minor uses carbon dioxide laser. Carbon dioxide is a laser
 medium in carbon dioxide lasers, which is one of the earliest types of lasers. Carbon dioxide can be used as a means of controlling the pH from rising. Among its advantages is to avoid handling acid (more dangerous). Similarly, it is also used in maintaining a coral
 reef aquarium, where it is commonly used in calcium reactors to lower while the pH of water is passed on calcium carbonate to allow calcium carbonate to allow calcium carbonate to dissolve into the water more freely where it is used by some corals to build their skeletons. Used as a major coolant in the British advanced gas-cooled reactors for nuclear power generation. Carbon
 dioxide induction is commonly used for euthanasia animal research laboratories. Methods for administering CO2 include putting animals directly into a closed, filled room containing CO2, or exposure to CO2 concentrations gradually increasing. In 2013, the American Society of Veterinary Medicine issued new guidelines carbon dioxide induction, stating that
 a disposal rate of 30% to 70% of the total gas chamber per minute is optimal for small humane euthanisation However, there is opposition to the practice of using carbon dioxide for this, arguing it is cruel. [55] Carbon dioxide is also used in several cleaning techniques and the preparation of related surfaces. In the Earth's atmosphere The main article: Carbon
 dioxide in the Earth's atmosphere and the Carbon Lengkung Kengkung cycle of atmospheric CO2 concentrations measured at mauna Loa Observatory Carbon dioxide in the Earth's atmosphere is trace gas, Currently (beginning 2020) has a global average concentration of 412 parts per million by volume[71][72][73] (or 622 parts per million by mass).
 Atmospheric concentrations of carbon dioxide fluctuate slightly with the season, falling during the spring of the Northern and summer as plants go dormant or die and rot. Concentrations also vary by region, the strongest near the ground with a smaller variation of aloft. In
 urban areas concentrations are generally higher[74] and inside their homes can reach 10 times the level of background. Atmospheric CO2 annual increase: In the 1960s, the average annual increase was 35% from the 2009-2018 average. [75] Carbon dioxide concentrations have increased due to human activity. [76] The burning of fossil fuels and
 deforestation of electricity has led to an atmospheric concentration of carbon dioxide increasing by about 43% since the beginning of industrial age. [77] Most carbon dioxide from human activity was discharged from burning coal and other fossil fuels. Other human activities, including deforestation, biomass burning, and cement production also produce
 carbon dioxide. Human activity produces about 29 billion tons of carbon dioxide a year, while volcanoes emit between 0.2 and 0.3 billion tons. [78] [79] Human activity produces about 29 billion tons of carbon dioxide discharged from the burning of fossil fuels remains in the atmosphere
 and is not induceed by vegetables and oceans. [80] [82] Despite being transparent to visible light, carbon dioxide is a greenhouse gas, absorbing and removing infrared radiation on two active infrared vibration frequencies (see structural parts and tie-ups above). The release of light from the surface of the earth is the most intense in the inffared region
 between 200 and 2500 cm-1,[84] compared to the earlier emissions of light from the hotter sun in the visible region. Absorption of infrared light on the vibration frequency of atmosphere, which it is cooler because of this absorption.
 [85] Increased atmospheric density of CO2 and other long-term greenhouse gases such as methane, nitrous oxide and ozone has confirmed the absorption and release of their infrared radiation, leading to an increase in average global temperatures since the mid-20th century. Carbon dioxide is the biggest concern because it affects overall warming greater
 than all other gases combined and because it has a long atmospheric life span (hundreds to thousands of years). CO2 in earth's atmosphere if half of the release of global warming is not absorbed. [80] [81] [82] [83] (NASA computer simulation). Not only does increasing carbon dioxide density lead to an increase in global surface temperatures, but increasing
 global temperatures also leads to increased carbon dioxide density. This results in positive feedback for changes caused by other processes such as orbital cycles. [86] Five hundred million years ago the density of carbon dioxide was 20 times greater than today, decreasing to 4-5 times during the Jurassic period and then slowly decreasing with a very quick
 reduction occurred 49 million years ago. [87] The local density of carbon dioxide can reach high values near powerful sources, especially those isolated by the surrounding earth. In the Bossoleto hot spring near Rapolano Terme in Tuscany, Italy, located in a bowl-shaped depression about 100 m (330 ka) in diameter, the density of CO2 increases to over
 75% overnight, enough to kill insects and small animals. After sunrise the gas is dispersed by convection. [89] The high density of CO2 produced by lake water disturbances in tepu with CO2 is thought to have caused 37 deaths in Lake Monoun, Cameroon in 1984 and 1700 prey in Lake Nyos, Cameroon in 1986. [90] In the main article of the oceans: The
 Pterapod shell carbon cycle was dissolved in seawater in harmony with the ocean chemistry that was retired for 2100. Carbon dioxide is respothed in the oceans to form carbonic acid (H2CO3), bicarbonate (HCO3-) and carbonate (HCO3-) and carbonate (HCO3-). There are approximately fifty times as much carbon dioxide dissolved in the oceans as exists in the atmosphere. The
 oceans act as large carbon sinks, and have taken about one-third of the CO2 emitted by human activity. [91] When carbon dioxide density increases in the pH of the oceans, referred to as ocean icy and oceans. This reduction in pH affects the
 biological system in the oceans, especially organisms thinking of the oceans. These effects include the food chain of autotrophs heterotrophs and mollusks. Under normal circumstances, calcium carbonate is stable in surface waters carbonate ions are at
 supersaturating density. However, when the pH of the ocean falls, so does the density of these ions, and when carbonate becomes less fertile, the structure of the calcium carbonate is prone to liquidation. [92] Corals, [93][94][95] algae coccolithophore, [96][97][98][99] coralline algae, [96][98][99] coralline algae, [96][98][99] Foraminifera,
 [101] clams[102] and pteropods[103] experienced reduced calculations or enhanced liquidation when exposed to high CO2. Gas adaptability decreases as water temperatures rise (except when both pressures exceed 300 bars and temperatures rise (except when both pressures exceed 300 bars and temperatures above 393 K, only discovered near the deep geothermal entour)[104] and therefore the intake rate from the
 atmosphere decreases as ocean temperatures rise. Most of the CO2 is taken by the ocean, which is about 30% of the total amount emitted to the atmosphere
 has led to an alkali decrease in seawater alkali, and there are concerns that this could affect the organism living in water. In particular, with reduced alkali, the carbonate availability to form shells decreases, [106] despite evidence of increased shell production by certain species under increased CO2 content. [107] NOAA stated in May 2008 the State sheet of
 science facts for ocean acidification that: Oceans have absorbed about 50% of carbon dioxide (CO2) removed from fossil fuel burning, causing a chemical reaction that lowers ocean pH. This has resulted in an increase in hydrogen ions (acidity) about 30% since the beginning of the industrial age through a process known as ocean acidification. More and
 more studies have shown adverse effects on marine organisms, including: The rate at which reef building corals produce their frames decreasing, while the production of various types of jelly increases. The capabilities of marine algae and zooplankton swim freely to keep protective shells reduced. The survival of larval marine species, including commercial
 fish and shell fish, was reduced. Also, the Intergrownity Panel on Climate Change (IPCC) wrote in Climate Change 2007: Synthesis Report:[108] Anthropogenic carbon intake since 1750 has led the ocean to become more acidic with an average decrease of 0.1 units. Increase atmospheric CO2 concentration leads to further acidification ... Although the effects
 of ocean acidification observed on marine biospheres are as yet undocumented, progressive ocean acidification is expected to negatively affect marine soothing organisms (including coral reefs) have been eliminated by major research agencies, including NOAA, the OSPAR,
 NANOOS and IPCC commissions, due to their most recent research that ocean acidification should be expected to negatively affect them. [109] Carbon Carbon also introduced into the ocean through lohong hydrotherma. The Champagne hydrothermal hole, found in the Northwestern Eifuku volcano in the Marianas Trench, produced almost pure carbon
 liquid dioxide, one of only two known sites in the world in 2004, the other being in okinawa's Trough. [110] The discovery of a liquid dioxide is the end product of cellular breathing in organisms that gain energy by breaking sugars, fats and amino acids with
 oxygen as part of their metabolism. This includes all herbs, algae and animals and aerobic and bacterial kulat. In vertebrates, carbon dioxide moves in the blood from which it dissolves in water, or the lungs from which it is exhibited. When photosynthesis is active, plants can absorb
 more carbon dioxide from the atmosphere than they release in breathing. Photosynthesis and Carbon Repair Overall picture of photosynthesis and breathing. Carbon dioxide (on the left) by photosynthesis, which can be inspired into water and (CO2). The overall picture of calvin cycles
 and carbon determination is a biochemical process in which atmospheric carbon dioxide is combined by plants, algae and (cyanobacteria) into energy-rich organic molecules such as glucose, thus realizing their own food by photosynthesis uses carbon dioxide and water to produce sugar from which other organic compounds can be built, and
 oxygen is produced as a small product. Ribulose-1,5-bisphosphate karboxylase oxygenase, usually abbreviated to RuBisCO, is an enzyme involved in the first major step of carbon determination, the production of two 3-phosphooglycerate molecules from CO2 and rubisco bisphosphate is considered the most single protein on Earth. [112] Photostrof uses
 their photosynthesis products as an indoor food source and as raw materials for the biosynthesis of more complex organic molecules, such as polysaccharist, nucleic acids and proteins. It is used for their own growth, and also as the basis of food chains and web feeding to other organisms, including animals like ourselves. Some important phototrof,
 coccolithophores synthesize the scale of hard calcium carbonate. [113] A significant species of coccolithophore on a global level is Emiliania huxleyi whose calcium scale has formed the basis of many sedimentary rocks such as limestone, where what was previously a carbon atmosphere could remain on a geological time scale. Plants can grow as much as
 50 percent more at a density of 1,000 ppm of CO2 when compared to ambient conditions, although this does not consider climate change and does not soybean nuts all showing a 12-14% increase in revenue below CO2 high in
 FACE experiments. [115] The increase in atmospheric CO2 concentrations resulted in fewer stomata growing over plants [117] leading to reduced water consumption and increased in micronutrient concentrations in crop plants. [119] This may have
 a knock-on effect on other parts of the ecosystem as herbivores need to eat more food to get the same amount of protein. [120] Secondary metabolite concentrations of CO2. [122] Plants also manufacture CO2 during breathing, and therefore the majority
 of plants and algae, which use C3 photosynthesis, only clean absorbents during the day. While growing forests will absorb many tonnes of CO2 each year, mature forests will produce as much as CO2 from breathing and deployment of dead specimens (for example, falling branches) as used in photosynthesis in growing plants. [123] Contrary to the old view
 that they are carbon neutral, mature forests can continue to accumulate carbon[124] and remain valuable carbon sinking, helping to maintain the carbon balance of Earth's roof. In addition, and it is important to live on earth, photosynthesis by phytoplankton uses CO2 in the upper ocean and thus promotes the absorption of CO2 from the atmosphere. [125]
 Toxicity See also: Carbon dioxide poisons the main symptoms of carbon dioxide toxicity, by increasing the percentage of volume in the air. [126] Carbon dioxide content in the fresh air (average between sea level and 10 kPa, which is about 30 km (19 mi) of altitude) varies between 0.036% (360 ppm) and 0.041% (412 ppm), depending on location. [127]
 [Explanation required] CO2 is an asphyxiation gas and is not classified as toxic or dangerous in accordance with the Global Harmony Classification System and the Labeling of Chemical Testing. In concentrations of up to 1% (10,000 ppm), it will
 make some people feel sleepy and give the lungs a clogged feeling. [126] Concentrations of 7% to 10% (70,000 to 100,000 ppm) can cause drowning, even with the presence of adequate oxygen, shown as dizziness, headaches, visual dysfunction and hearing, and unconscious within minutes to an hour. [128] Effects acute carbon dioxide exposure is
 grouped together under the term hypercapnia, a subset of asphyxiation. Because it is heavier than air, in locations where gases look from the ground (due to volcanic activity or sub-surface geothermal) inside without the effect of dispersing the animal to lie in
 it drowning. The carion feeder attracted to the carcass was later also killed. Children have been killed in the same way near the town of Goma by CO2 levels threatened the Apollo 13 astronauts who had to adjust the cartridges from the
 command module to supply carbon dioxide in the lunar module, which they used as live boats. Adaptation to increased concentration of CO2 occurs in humans, including modified breathing and kidney biconbonate production, to combalance the effects of acidosis. Some studies suggest that 2.0 percent of inspired concentrations can be applied to closed
 airspace (e.g. submarines) because adaptation is physiological and reversible, since performance deterioration or regular physical activity does not occur at this level of exposure for five days. [130] However, other studies showed a decrease in cognitive function even at a lower level. [132] Also, with continuous respiratory acidosis, adaptation or
 compensation mechanism will not be able to reverse the situation. Below 1% There are several studies of the health effects of long-term continuous CO2 exposure limit was set in the United States at 0.5% (5000 ppm) for an eight-hour period. [134] At this CO2 concentration, the
 International Space Station crew suffered headaches, fatigue, mental slowness, emotional irritation, and sleep disturbances. [135] Studies in animals at 0.5% CO2 have shown kidney calculations and bone loss after eight weeks of exposure. [136] A human study exposed in the 2.5-hour session showed a significant negative impact on cognitive abilities at
 concentrations as low as 0.1% (1000 ppm) of CO2 may be due to an increase in cerebral blood flow. [132] Another study saw a decrease in the level of basic activity and the use of information at 1000 ppm, when compared to 500 ppm. [133] The ventilation CO2 concentration meter using nondispersive Poor inhramergic sensor ventilation is one of the main
 causes of excessive CO2 concentration in closed spaces. Carbon dioxide differential above external concentrations at stable conditions (when the occupancy system and ventilation rates of each person. [citation required] Higher
 concentration of CO2 is associated with deterioration in health, comfort and performance of the occupants. [137] [138] ASHRAE 62.1–2007 ventilation rates may cause internal concentrations of up to 2,100 ppm beyond the external concitions of the atmosphere. Therefore, if Concentration is 400 ppm, internal concentrations may reach 2,500 ppm with
 ventilation rates that meet the industry's consensus standards. Concentrations in bad ventilation space are available higher than this (range 3,000 or 4,000). Miners, which are particularly vulnerable to gas exposure due to inadequate ventilation, refer to a mixture of carbon dioxide and nitrogen as blackdamp, damp choke or stythe. Before more effective
 technologies are developed, miners often monitor dangerous levels of blackdamp and other gases in mine shame by bringing sanctuary canary with them as they work. Canary is more sensitive to asphyxiated gases than humans, and because it becomes unconscious will stop altogeccans and fall from its perch. Davy's lights can also detect high levels of
 blackdamp (which is sinking, and collect near the floor) by burning less brightly, while methane, another drowning risk of gas and explosions, will make the light burn more brightly. In February 2020, three people died from drowning at a party in Moscow when dried ice (frozen co2) was added to the swimming pool to cool down. [139] Human physiology
 Reference Content range or average for semi-carbon dioxide pressure (abbreviation pCO2) kPa mmHg Venous carbon dioxide blood 5.5–6.8 41-51[140] Alveolar pulmonarygas pressure 4.8 5 36 Carbon blood artery dioxide 4.7–6.0 35-45[140] The body produces approximately 2.3 pounds (1.0 kg) of carbon dioxide per day,[141] containing 0.63 pounds (290
 g) of carbon. In humans, this carbon dioxide is carried out through a venous system and breathes out through the lungs, causing lower concentrations in the arteries. The carbon dioxide is carried out through a venous system and breathes out through the lungs, causing lower concentrations in the arteries. The carbon dioxide is carried out through a venous system and breathes out through the lungs, causing lower concentrations in the arteries.
 dioxide content is shown in the adjacent table: Transportation in CO2 blood is carried in blood in three different ways. (The exact percentage varies depending on whether it is artery or venous blood). Mostly (about 70% to 80%) converted to HCO bikarbonate ion-3 by carbonic anhydrase enzyme in red blood cells, [143] by co2+ H2O -> H2CO3 reaction ->
 H+ + HCO-3. 5-10% dissolved in plasma[143] 5-10% tied to hemoglobin as carbamino compounds[143] Hemoglobin, the molecule brings major oxygen in red blood cells, bringing both oxygen and carbon dioxide. However, CO2 is tied to hemoglobin not tying to the same site as oxygen. Instead, it merged with terminal group N on a chain of four globines.
 However, due to the alloy effect on hemoglobin molecules, the CO2 tie-up reduces the amount of oxygen bound for semi-oxygen pressure that This is known as the Haldane Effect, and is important in the transport of carbon from tissues to the lungs. On the other hand, increased partial pressure of CO2 or lower pH will cause oxygen unloundering of
 the hemoglobin, known as the Bohr effect. Breathing rules This section requires additional quotes for verification. Please help improve this article by adding quotes to reliable sources. Unsourced materials can be challenged and removed. (June 2014) (Learn how and when to remove this template message) Carbon dioxide is one of the local autoregulation
         ediaries of blood supply. If the concentration is high, the capilary develops to allow greater blood flow to the tissue. Ion bikarbonate is essential to regulate blood. Breathing is too slow or shallow to cause respiratory acidosis, while overwhelming breathing leads to hypervent
which can cause respiratory alkalosis. Although the body needs oxygen for metabolism, low levels of oxygen usually do not stimulate breathing low pressure air or oxygen-free gas mixtures altogether (such as pure nitrogen) can cause loss of consciousness
without ever suffering from air hunger. This is particularly dangerous for high altitude fighter pilots. It is also why flight attendants instruct passengers, in case of losing cabin pressure, to apply oxygen masks to themselves first before helping others; otherwise, a risk of loss of consciousness. [143] The respiratory center tries to maintain 40 mm Hg. ARTERY
CO2 pressure With inflicted hyperventilating, the co2 content of artery blood can be lowered to 10-20 mm Hg (blood oxygen content is slightly affected), and the respiratory drive decreases. This is why one can breathe a person longer after hyperventilating. This carries the risk that unconsciousness can cause before the need to
 breathe into warm, which is why hyperventilation is very dangerous before free diving. See also The Bosch gas blood artery Chemical Portal Response Bottle Gas - Ingredients that gas at standard temperature and pressure and storage of
 atmospheric cave dioxide Dogs - Caves near Naples, Italy Standard emissions indoor air quality - Air quality in and around buildings and structures of Rich Identity - Identity on the carbon discharge of anthropogenic dioxide Of Lake Kivu - Meromic Lake in the East African Rift valley List of power stations most efficient carbon list of countries by carbon
 emissions Meromictic Lake - Coated lake remains with non-intermix layer of PCO2 water - Semi-carbon carbon pressure often used in reference to the blood of Gilbert Plass (early work on CO2 and climate change) Sabatier Reaction - The process of carbon dioxide metanation with HYDROGEN NASA's Orbiting Carbon Observatory 2 Greenhouse Gases
 Satellite Reference ^ b Carbon Dioxide (PDF). Air Products. † Touloukian, Y.S., Liley, P.E., and Saxena, S.C. Termophilic properties of things - TPRC data series. Volume 3. Heat confusion - liquids and non-metallic gases. Databook. 1970. † Schäfer, Michael; Richter, Mark; Span, Roland (2015). The measure of carbon dioxide density at temperatures from
 (253.15 to 473.15)K with pressure up to 1.2MPa. Journal of Chemical Thermodynamics. 89: 7–15. doi:10.1016/j.jct.2015.04.015. ISSN 0021-9614. † b NIOSH Pocket Guide to Chemical Hazards. #0103. National Institute of Occupational Safety and Health (NIOSH).
 National Institute of Occupational Safety and Health (NIOSH). ↑ Safety Data Sheet - Carbon Dioxide Gas - version 0.03 11/11 (PDF). AirGas.com. 12 February 2018. Retrieved 4 August 2018. ↑ Eggleton, Tony (2013). A Brief
 Introduction to Climate Change. Cambridge University Press. p. 52. ISBN 9781107618763. † ^ Kaufman, Donald G.; Franz, Cecilia M. (1996). Biosphere 2000: protecting our global environment. Kendall/Hunt pub. Co. ISBN 978-0-7872-0460-0. † Food Factory. www.legacyproject.org. Retrieved 10 October 2011. † Lénárd-István Csepei (2011). The study of
 propane oxidizing kinetics in Mo and V is based on mixed oxide pemangkin (PDF) (PHD thesis). Technical University of Berlin. † Amakawa, Kazuhiko; Kolen'ko, Yury V.; Villa, Alberto; Schuster, Manfred Erwin; Csepei, Lenard-Istvan; Weinberg, Gisela; Wrabetz, Sabine; Naumann d'Alnoncourt, Raoul; Girgsdies, Frank; Prati, Laura; Schloegl, Robert;
 Trunschke, Annette (2013). Various functions of Crystalline MoV (TeNb) M1 Oxide Pemangkin in Selected Oxidation Propane and Benzyl Alcohol. ACS pemangkin. 3 (6): 1103–1113. doi:10.1021/cs400010q. † Naumann d'Alnoncourt, Raoul; Csepei, Lénárd-István; Hävecker, Michael; Girgsdies, Frank; Schuster, Manfred E.; Schlögl, Robert; Trunschke,
 Annette (2014). A series of responses in propane oxidation to the pure phase MoVTeNb M1 oxide pemangkin (PDF). Pemangkin Journal. 311: 369–385. doi:10.1016/j.jcat.2013.12.008. hdl:11858/00-001M-0000-0014-F434-5. Archived from the original (PDF) on February 15, 2016. Retrieved 9 July 2017. ↑ b Tsotsas, Evangelos; Mujumdar, Arun S. (2011).
 Modern drying technology. 3: Product quality and resmoaning. John Wiley & Cavadias, United States; Tatoulian, M.; Ognier, S.; Gálvez, M. E.; Da Costa, P. (1 April 2019). Plasma-pemangkin hybrid process for methane CO2: optimization of operating parameters. Kinetic Reactions,
 Mechanisms and Pemangkin. 126 (2): 629–643. doi:10.1007/s11144-018-1508-8. ISSN 1878-5204. S2CID 104301429. † Pemangkin for climate protection. 19, 2019. † Voiry, Damien; Shin, Hyeon Suk; Loh, Kian Ping; Chhowalla, Manish (January 2018). Low-dimensional pemangkin for hydrogen evolution and CO2 reduction. Natural Chemical Reviews. 2
(1): 0105. doi:10.1038/s41570-017-0105. ISSN 2397-3358. ↑ Gomez, Elaine; Yan, Binhang; Kattel, Shyam; Chen, Jingguang G. (September 10, 2019). Reduction of carbon dioxide along with mild dehydrogenation of alkane. Natural Chemical Reviews. 3 (11): 638–649. doi:10.1038/s41570-019-0128-9. ISSN 2397-3358. S2CID 202159972. ↑ OceanIfication:
 The National Strategy for Dealing with changing Ocean Challenges. Washington, DC: National Academies Press. April 22nd, 2010. doi:10.17226/12904. ISBN 978-0-309-15359-1. † DavidFraser Harris (September 1910). Pioneer in Air Hygiene. The Lancet. 176 (4542): 906–908. doi:10.1016/S0140-6736(00)52420-9. † Almqvist, Ebbe (2003). The history of
 industrial gas. Springer. ISBN 978-0-306-47277-0. p. 93 † Priestley, Joseph; Hey, Wm (1772). Observation on Different Types of Air. Philosophical Transactions. 62: 147–264. doi:10.1098/rstl.1772.0021. S2CID 186210131. † Davy, Humphry (1823). Regarding The Use of Liquids formed by Gas Spelling as Mechanical Agents. Philosophical Transactions.
113: 199–205. doi:10.1098/rstl.1823.0020. JSTOR 107649. ↑ Thilorier, Adrien-Jean-Pierre (1835). Solidification de l'Acide carbonique. Enable Rendus. 1: 194–196. ↑ Solid carbonic acid. Philosophy magazines of London and Edinburgh. 8 (48): 446–447. 1836. doi:10.1080/14786443608648911. ↑ b Greenwood, Norman N.; Earnshaw, Alan (1997). Chemical
 Elements (2nd ed.). Butterworth-Heinemann. ISBN 978-0-08-037941-8. † Atkins P. and de Paula J. Physical Chemistry (8th ed., W.H. Freeman 2006) pp. 461, 464 ISBN 0-7167-8759-8 ^ Per Jensen; M. Spanner; P. R. Bunker (2020). CO2 molecules are never linear. J Mol Struct. 1212: 128087. doi:10.1016/j.molstruc.2020.128087. hdl:2142/107329. † B.
 Siegmann; U. Werner; H. O. Lutz; R. Mann (2002). Coulomb flakes complete CO2 in the budget with 5.9 MeV u-1 Xe18+ and Xe43+. J Phys B Atom Mol Opt Phys. 35 (17): 3755. doi:10.1088/0953-4075/35/17/311. † Jolly, William L., Modern Inorganic Chemistry (McGraw-Hill 1984), p. 196 ISBN 0-07-032760-2 ^ Li, Zhen; Mayor, Robert J.; Ofial, Armin R.;
 Mayr, Herbert (27 April 2020). From Carbodiimides to Carbon Dioxide: Heteroallenes Electrophysical Reactivation Quantity. American Journal of Chemistry 142 (18): 8383–8402. doi:10.1021/jacs.0c01960. PMID 32338511. ↑ M. Aresta (Ed.) Carbon Dioxide as a Chemical 2010, Wiley-VCH: Weinheim. ISBN 978-3-527-32475-0 ^ Finn, Colin; Schnittger,
 Sorcha; Yellowlees, Lesley J.; Dear, Jason B. (2012). Molecular approach to electrochemical reduction of carbon dioxide (PDF). Chemical Communication. 48 (10): 1392–1399. doi:10.1039/c1cc15393e. PMID 22116300. ↑ Phase swaps data for Carbon dioxide. National Institute of Standards and Technology. Retrieved 2008-01-21. ↑ Kudryavtseva I.V.,
 Kamotskii V.I., Rykov S.V., Rykov V.A., Equilibrium Phase Equilibrium Carbon Dioxide Calculation, Processes and equipment for food production, Wa (2006). Amorphous silica-like carbon dioxide. Nature. 441 (7095): 857–860. Bibcode:2006Natur.441.. 857S.
doi:10.1038/nature04879. PMID 16778885. S2CID 4363092. † b Pierantozzi, Ronald (2001). Carbon Dioxide. Kirk-Othmer Chemical Technology Encyclopedia. Wiley. doi:10.1002/0471238961.0301180216090518.a01.pub2. ISBN 978-0-471-23896-6. † Strassburger, Julius (1969). Relau Blast Theory and Practice. New York: American Mining Institute,
 Metallurgical, and Petroleum Engineers. ISBN 978-0-677-10420-1. † Susan Topham Carbon Dioxide in the Ullmann Industrial Chemical Encyclopedia, 2005, Wiley-VCH, Weinheim. doi:10.1002/14356007.a05_165 ^ CO2 shortage: The food industry is calling for royal action. Bbc. 21 Jun 2018. † Collect and use biogas from waste disposal sites. U.S. Energy
 Information Administration January 11, 2017. Retrieved 22 November 2015. † Waste Disposal Gas Facts (PDF). U.S. Environmental Protection Agency January 2000. † IPCC Special Report on Carbon dioxide Capture and Storage (PDF). Archived from the original (PDF) on September 24, 2015. Retrieved 2015-09-04. † R.T. Morrison and R.N. Boyd (1983).
Organic Chemistry (4th ed.). Allyn and Bacon. Pp. 976–977. ISBN 978-0-205-05838-9. † Badwal, Sukhvinder P. S.; Giddey, Sarbjit S.; Munnings, Christopher; Bhatt, Anand I.; Hollenkamp, Anthony F. (September 24, 2014). Electrochemical power exchange and storage technology (open access). Borders in Chemistry. 2: 79. Bibcode:2014FrCh.... 2...79B.
 doi:10.3389/fchem.2014.00079. PMC 4174133. PMID 25309898. † UK Food Standards Agency: EU When approved their additional ingredients and E Number. Retrieved 13 June 2015. † Australian Food Standards Code New ZealandStandard 1.2.4 - Labeling of
 ingredients. Retrieved 2011-10-27. † Futurific Main Instruction Magazine Volume 1. CRAES LLC. ISBN 978-0-9847670-1-4. † Vijay, G. Padma (September 25, 2015). Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional and Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Guide to Traditional And Innovative Indian Bread: A Comprehensive Indian Bread: A Comprehensive Indian Bread: A Comprehensive Indian Bread: A 
 Receded 29 March 2020. Andy Coghlan (February 3, 2018). A more believer's way to slaughter a chicken might get EU approval. New Scientist. Nordestgaard, B.G.;
 Rostgaard, J. (1985). Drying - compared to freezing drying to scan electron microscopy: quantitative and qualitative and quali
 2000. ^ Whiting, David; Roll, Michael; Vickerman, Larry (August 2010). Plant Growth Factors: Photosynthesis, Breathing, and Transpiration. CMG GardenNotes. Colorado Master Gardener Program. Archived from the original on 2 September 2014. Receptioned 10 October 2011. ^ Waggoner, Paul E. (February 1994). Carbon dioxide. How Much Land Can
Ten Billion People Replace for Nature?. Receptioned 10 October 2011. A Stafford, Ned (7 February 2007). Future crops: The effects of other greenhouses. Nature. 448 (7153): 526–528. Bibcode: 2007 Natur. 448. 526S. doi:10.1038/448526a. PMID 17671477. Appendix A: CO2 for enhanced oil recovery (EOR) use. Accelerates the intake of CCS: the
 industrial use of captured carbon dioxide. CCS Global Institute. December 20, 2011. Receded 2 January 2017. Austell, J Michael (2005). CO2 for Enhanced Fiscal Incentives. & September 20, 2011. Receded 2 January 2017. Austell, J Michael (2005). CO2 for Enhanced Fiscal Incentives.
coal bed methane recovery. ETH Zurich. August 31st, 2006. Archived from the original on 6 July 2011. ^ Clayton, Mark (January 11, 2006). Algae - like a breath mint for smoke. Christian Science Monitor. Reception was achieved on 11 October 2007. ^ Atsum, Shota; Higashide, Wendy; Liauo, James C. (November 2009). Live photosynthesis recycling of
carbon dioxide to isobutyraldehyde. Nature Biotechnology. 27 (12): 1177-1180. doi:10.1038/nbt.1586. PMID 19915552. S2CID 1492698. ^ Coca-Cola Company Announces acceptance of HFC Independent Insulation in Cooling Unit to Combat Global Warming. Coca-Cola Company Announces acceptance of HFC Independent Insulation in Cooling Unit to Combat Global Warming. Coca-Cola Company. June 5, 2006. Reception was achieved on 11 October 2007. ^ Modine
 strengthens CO2 research efforts. R744.com. 28 June 2007. Archived from the original on 10 February 2008. ^ TCE, Chemical Engineers. Institution of Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 22 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 22 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 22 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 22 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 22 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 20 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 20 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 20 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 20 August 2020. ^ Administration & Chemical Engineers. 1990. ^ 2020 AVMA Guidelines for Animal Euthanasia (PDF). Receded 20 August 20 
 Laboratory (ESRL), Trends in Carbon Carbon The average sea level globally each month means the value of the data provided is the fraction of every million by amount (ppmv). ↑ Pashley, Alex (March 10, 2016). The CO2 stage makes the largest
 annual jump recorded, Noaa data shows. Guard. Retrieved 14 March 2016. ↑ Record annual increase in carbon dioxide observed at Mauna Loa for 2015. Noaa. March 9, 2016. Retrieved 14 March 2016. ↑ Record annual increase in carbon dioxide observed at Mauna Loa for 2017. The sensitivity and temperature of atmospheric CO2 is high across the transects of the
 cities. Atmosfera Environment. 41 (35): 7654–7665. Bibcode:2007AtmEn.. 41.7654G. doi:10.1016/j.atmosenv.2007.08.018. † Tans, Pieter (May 6, 2019) Annual CO2 mole fragment increase (ppm) for 1959-2018. National Oceanic and Atmospheric Administration Earth System Research Laboratory, Global Monitoring Division (additional details.) ^ Li, Anthony
 HF. Hope to Limit Global Warming? China and the Paris Agreement on Climate Change. China Perspective 1 (2016): 49. † After two large annual gains, co2 atmospheric rates increase returns to average. NOAA News Online, Story 2412. March 31, 2005. † Global Warming FAQ. Climate.gov. NOAA. Archived from the original on January 11, 2017. † Gerlach,
T.M. (Jun 4, 1991). The release of present-day CO2 from volcanoes. Eos, Transaction, American Geofical Union. 72 (23): 249, 254–255. Bibcode:1991EOSTr.. 72..249.. doi:10.1029/90EO10192. ↑ b Buis, Alan; Ramsayer, Kate; Rasmussen, Carol (November 12, 2015). Respiratory planets, turn off the balance. Nasa. Retrieved 13 November 2015. ↑ b Staff
 (November 12, 2015). Audio (66:01) - NASA News Conference - Carbon & Retrieved 12 November 2015. † b St. Fleur, Nicholas (November 2015). Atmosfera's Greenhouse Gas Levels Are Breaking Records, the Report said. The New York Times. Retrieved 11 November 2015. † b Ritter, Karl (November 9, 2015). UK: In 1,
 the average global tempias can be 1 degree C higher. Allied Newspapers. Retrieved 11 November 2015. † Atkins, Peter; de Paula, Julio (2006). Physical Chemistry Atkins (8th ed.). W.H. Freeman. p. 462. ISBN 978-0-7167-8759-4. † UCAR (2012). Carbon Dioxide Absorbs and Re-Emits Infrared Light. UCAR Science Education Center. Retrieved 9 September
2017. ↑ Genthon, G.; Barnola, J.M.; Raynaud, D.; Lorius, C.; Jouzel, J.; Barkov, N.I.; Korotkevich, Y.S.; Kotlyakov, V.M. (1987). The core of the ais vostok: the climate response to CO2 and orbitals that reached out to changes in past climate cycles. Nature. 329 (6138): 414–418. Bibcode:1987Natur.329.. 414G. doi:10.1038/329414a0. S2CID 4333499.
 Climate and CO2 in The Atfera. Retrieved 2007-10-10. ↑ Berner, A.; Kothavala, Zavareth (2001). GEOCARB III: ATMOSpheric review model CO2 over Phanerozoic Time (PDF). (PDF). Journal of Science. 301 (2): 182–204. Bibcode: 2001AmJS.. 301..182B. CiteSeerX 10.1.1.393.582. doi:10.2475/ajs.301.2.182. Retrieved 15 February 2008. ↑ van Gardingen,
 P.R.; Grace, J.; Jeffree, C.E.; Byari, S.H.; Miglietta, F.; Raschi, A.; Miglietta, F.; Tognetti, R.; van Gardingen, P.R. (eds.). Plant response to high CO2: Evidence of natural springs. Cambridge: Cambridge University
 Press. Pp. 69–86. ISBN 978-0-521-58203-2. † Martini, M. (1997). Release of CO2 in the volcanic region: a history of the 2016 and the dangers. In Raschi, A.; Miglietta, F.; Tognetti, R.; van Gardingen, P.R. (eds.). Plant response to high CO2: Evidence of natural springs. Cambridge: Cambridge University Press. Pp. 69–86. ISBN 978-0-521-58203-2. † Doney,
Scott C.; Levine, Naomi M. (November 29, 2006). How Long Can The Oceans Slow Global Warming? Oceanus. Retrieved 2007-11-21. † Nienhuis, S.; Palmer, A.; Harley, C. (2010). High CO2 affects the dissolution rate of the cangkerang but does not calculate the rate in marine snails. Proceedings of the Royal Union B: Biological Sciences. 277 (1693):
 2553-2558. doi:10.1098/rspb.2010.0206. PMC 2894921. PMID 20392726. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, I.; Romaine, S. & (1-2): 37-46. Bibcode:1998GPC.... 18...37G. doi:10.1016/S0921-8181(98)00035-6. † Gattuso, J.-P.; Frankignoulle, M.; Bourge, J.-P.; Bourge, J.-P.
J.-P.; Allemand, D.; Frankignoulle, M (1999). Photosynthesis and calculation at the cellular, organisma and community levels on coral reefs: a review of interactions and control by carbonate chemistry. American Zoologist. 39: 160–183. doi:10.1093/icb/39.1.160. † Langdon, C; Atkinson, M. J. (2005). The effect of pCO2 is high on the photosynthesis and
 calculation of corals and interactions with seasonal changes in temperature/irradiance and nutrient enrichment. Journal of Geophysical Research. 110 (C09S07): C09S07. Bibcode:2005JGRC.. 110.9S07L. doi:10.1029/2004JC002576. † Riebesell, Ulf; Zondervan, Ingrid; Rost, Björn; Tortell, Philippe D.; Zeebe, Richard E. & (C09S07): C09S07. Bibcode:2005JGRC.. 110.9S07L. doi:10.1029/2004JC002576.
 Reduces the calculation of marine plankton in response to increased atmospheric CO2 (PDF). Nature. 407 (6802): 364–367. Bibcode:2000Natur.407.. 364R. doi:10.1038/35030078. PMID 11014189. S2CID 4426501. † Zondervan, I.; Zeebe, R.E.; Rost, B.; Rieblesell, U. (2001). Reducing marine biogenic calculations: negative feedback on the increase in
 atmospheric CO2 (PDF). Global Biogeochemical Cycle. 15 (2): 507–516. Bibcode:2001GBioC.. 15..507Z. doi:10.1029/2000GB001321. † Zondervan, I.; Rost, B.; Rieblesell, United States (2002). Effect of CO2 density on PIC/POC ratio in emiliania planted under conditions that limit the light and length of different days (PDF). Journal of Marine Biology and
 Ecology Experiments. 272 (1): 55–70. doi:10.1016/S0022-0981(02)00037-0. † Delille, B.; Harlay, J.; Zondervan, I.; Jacquet, S.; Chou, L.; Wollast, R.; Bellerby, R.G.J.; Frankignoulle, M.; Borges, A.V.; Riebesell, United States; Gattuso, J.-P. (2005). Major production responses and calculations to PCO2 changes during the bloom of emiliania huxleyi
coccolithophorid experiments. Global Biogeochemical Cycle. 19 (2): GB2023. Bibcode: 2005GBioC.. 19.2023D. doi:10.1029/2004GB002318. † Kuffner, I.B.; Andersson, A.J.; Jokiel, P.L.; Rodgers, K.S.; Mackenzie, F.T. (2007). Reduces a lot of crustose coral algae due to ocean icy. Natural Geosciences. 1 (2): 114–117. Bibcode: 2008NatGe ... 1..114K.
doi:10.1038/ngeo100. ↑ Phillips, Graham; Chris Branagan (September 13, 2007). Ocean Acidification - BIG global warming story. ABC TV Science: Pemangkin. Australian Broadcasting Corporation. Retrieved 2007-09-18. ↑ Gazeau, F.; Quiblier, C.; Jansen, J.M.; Gattuso, J.-P.; Middelburg, J.J. & Description of the properties of the control of the properties of the properties of the control of the properties of th
 calculations. Geophysical Research Letter. 34 (7): L07603. Bibcode: 2007GeoRL.. 34.7603G. CiteSeerX 10.1.1.326.1630. doi:10.1029/2006GL028554. hdl: 20.500.11755/a8941c6a-6d0b-43d5-ba0d-157a7a05668. ↑ Comeau, C.; Gorsky, G.; Jeffree, R.; Teyssié, J.-L.; Gattuso, J.-P. (2009). Effect of ocean acidification on the main Arctic pelagenic mollusks
 (Limacina helicina). Biogeosciences. 6 (9): 1877–1882. Bibcode:2009BGeo.... 6.1877C. doi:10.5194/bg-6-1877-2009. ↑ Duana, Zhenhao; Rui Sun (2003). A better model calculates the permissibleness of CO2 in pure water and the completion of aqueous NaCl from 273 to 533 K and from 0 to 2000 bars. Chemical Geology. 193 (3–4): 257–271.
 Bibcode:2003ChGeo.193.. 257D. doi:10.1016/S0009-2541(02)00263-2. ↑ Cai, W.-J.; Chen, L.; Chen, L.; Chen, L.; Chen, E.; Gao, Z.; ET al. (2010). Decrease in CO2 Retrieval Capacity in Ais-Free Arctic Ocean Basin. Science. 329 (5991): 556–559. Bibcode:2010Sci ... 329..556C. doi:10.1126/science.1189338. PMID 20651119. S2CID 206526452. ↑ Garrison, Tom (2004).
 Oceanography: Invitation to Marine Science. Thomson Brooks. p. 125. ISBN 978-0-534-40887-9. ↑ Ries, J.B.; Cohen, A.L.; McCorkle, DC (2009). Marine calcium showed mixed responses to ocean icy caused by CO2. Geology. 37 (12): 1131–1134. Bibcode:2009Geo.... 37.1131R. doi:10.1130/G30210A.1. ↑ Climate Change 2007: Synthesis Report, IPCC ^
 PMEL Ocean Acidification Home Page. Pmel.noaa.gov. Retrieved 14 January 2014. † Lupton, J.; Lilley, M.; Butterfield, D.; Evans, L.; Embley, R.; Olson, E.; Proskurowski, United States; Resing, J.; Roe, K.; Greene, R.; Lebon, G. (2004). Liquid Carbon Dioxide Venting at Champagne Hydrothermal Site, NW Eifuku Volcano, Mariana Arc. Geophysical Unity
 Fall. Fall. (Abstract #V43F-08): V43F-08. Bibcode:2004AGUFM. V43F. 08L. † Fumio Inagaki (2006). The microb community in the CO2 lake is home to the sedimentary hydrothermal system of southern Okinawa Trough. PNAS. 103 (38): 14164–14169. Bibcode:2006PNAS.. 10314164I. doi:10.1073/pnas.0606083103. PMC 1599929. PMID 16959888. Videos
can be downloaded in Support Information. † Dhingra A, Portis AR, Daniell H (2004). The enhanced translation of the RbcS gene that is stated to be chloroplast restores the stage of small subunits and photosynthesis in nuclear RbcS antisense plants. Proc. Natl. Acad. Sci. United States 101 (16): 6315-6320. Bibcode:2004PNAS.. 101.6315D.
 doi:10.1073/pnas.0400981101. PMC 395966. PMID 15067115. (Rubisco) is the most prevalent enzyme on the planet, covering 30-50% of the amount of protein soluble in chloroplasts; † G., Falkowski, Paul; H., Knoll, Andrew; (2006.01.), Symposium (January 1, 2007). Evolution of major manufacturers at sea. Elsevier, Academic Newspaper. ISBN 978-0-12-
370518-1. OCLC 845654016.CS1 main: number name: list of authors (links) A Blom, T.J.; W.A. Straver; F.J. Ingratta; Shalin Khosla; Wayne Brown (Dec. Carbon Dioxide In the Green House. Retrieved 2007-06-12. † Ainsworth, Elizabeth A. (2008). Rice production in a changing climate: meta-analysis of responses to high carbon dioxide and high ozone
 density (PDF). Global Change Biology. 14 (7): 1642–1650. Bibcode:2008GCBio.. 14.1642A. doi:10.1111/j.1365-2486.2008.01594.x. Archived from the original (PDF) on 19 July 2011. † Length, S.P.; Ainsworth, E.A.; Leakey, A.D.; Nösberger, J.; Ort, D.R. (2006). Foods to think about: lower-than-expected crop yield stimuli with increased CO2 density (PDF).
 Science. 312 (5782): 1918–1921. Bibcode: 2006Sci ... 312.1918L. CiteSeerX 10.1.1.542.5784. doi:10.1116/science.1114722. PMID 16809532. S2CID 2232629. ↑ F. Woodward; C. Kelly (1995). The effect of CO2 density on stomatal density. New Physiologist. 131 (3): 311–327. doi:10.1111/j.1469-8137.1995.tb03067.x. ↑ Drake, Bert G.; Gonzalez-Meler,
 Miquel A.; Long, Steve P. (1997). More efficient plants: As a result of the increase in atmospheric CO2?. Annual Study of Plant Molecular Biology. 48 (1): 609–639. doi:10.1146/annurev.arplant.48.1.609. PMID 15012276. S2CID 33415877. 1 Loladze, I (2002). The rise of atmospheric CO2 and human nutrition: towards unbalanced plant
 stoichiometry in the global rankings?. Trends in Ecology & (1999). High Atmospheric Carbon Dioxide Effect on Plant Insect Interactions. Conservation Biology. 13 (4): 700–712. doi:10.1046/j.1523-1739.1999.98267.x. JSTOR 2641685. S2CID
 52262618. ↑ Davey, M.P.; Harmens, H.; Ashenden, T.W.; Edwards, R.; Baxter, R. (2007). Species of special effects of CO2 are high upwards of source provision maritima and Armeria. Biochemical and Ecological Systemstics. 35 (3): 121–129. doi:10.1016/j.bse.2006.09.004. ↑ Davey, M.; Bryant, D.N.; Cummins, I.; Ashenden, T.W.; Fence Door, P.; Baxter,
 R.; Edwards, R. (2004). The effect of high CO2 on the secondary metabolism of vasculature and the maritime phenomenon Plantago. Phytochem.2004.06.016. PMID 15587703. ↑ Global Environmental Section Greenhouse Gas Assessment Manual - Practical Guide to Project-level Assessment of
 Greenhouse Gas Release. The World Bank. Archived from the original on 3 June 2016. Retrieved 2007-11-10. ↑ Luyssaert, Sebastiaan; Schulze, E.-Detlef; Börner, Annett; Knohl, Alexander; Hessenmöller, Dominik; Law, Beverly E.; Ciais, Philippe; Grace, John (2008). Forests are elders as global carbon sinking. Nature. 455 (7210): 213–215.
 Bibcode:2008Natur.455.. 213L. doi:10.1038/nature07276. PMID 18784722. S2CID 4424430. † Falkowski P, Scholes RJ, Boyle E, Canadell J, Canfield D, Elser J, Gruber N, Hibbard K, Högberg P, Linder S, Mackenzie FT, 3rd Moore B, Pedersen T, Rosenthal Y, Seitzinger S, Smetacek V, Steffen W (2000). Global carbon cycle: a test of our knowledge.
 earth as a single system. Science. 290 (5490): 291–296. Bibcode: 2000Sci ... 290..291F. doi:10.1126/science.290.5490.291. PMID 11030643. S2CID 1779934. † b Friedman, Daniel. Carbon Dioxide Gas Exposure Toxicity, Symptoms of CO2 Poisoning, Carbon Dioxide Exposure Limits, and Links to Toxic Gas Test Procedures. InspectAPedia †
CarbonTracker CT2011 oi (CO2 Chart Map). esrl.noaa.gov. ^ Carbon Dioxide as a Fire Extinguisher: Checking Risk. The U.S. Environmental Protection Agency was reviewed from the original on October 2, 2015. † Volcano under the city. PBS.org (November 1, 2005). † Glatte Jr. H.A.; Motsay G.J.; Welch B.E. (1967). Carbon Dioxide Tolerance Study.
 Brooks AFB, TX School of Aerospace Medicine, University of Pennsylvania Medical Center for Bioperubatane Of The Environment Data, Institute of Natural Medicine, University of Pennsylvania Medical Center. IFEM. Report No.
2-71. Archived from the original on 24 July 2011. Retrieved 2008-05-02. † b Satish U.; Mendell M.J.; Azizul A.; Hotchi T.; Sullivan D.; Streufert S.; Fisk W.J. (2012). Is CO2 an interior polluter? Direct Impression of Low to Simple CO2 Sensitivity on The Achievement of Making Human Decisions (PDF). Environmental Health Perspective. 120 (12): 1671–1677.
doi:10.1289/ehp.1104789. PMC 3548274. PMID 23008272. Archived from the original (PDF) on 5 March 2016. Retrieved 11 December 2014. † b Yusuf G. Allen; Piers MacNaughton; Usha Satish; Suresh Santanam; Jose Vallarino; John D. Spengler (2016). Cognitive Union Scores with Carbon Dioxide, Ventilation, and Uncertain Organic Compound
 Exposure in Office Employees: Controlled Disclosure Studies Of Green and Conventional Office Environmental Health Perspective. 124 (6): 805-812. doi:10.1289/ehp.1510037. PMC 4892924. PMID 26502459. ^ Exposure Limits for Carbon Dioxide Gas - Limits of CO2. InspectAPedia.com. ^ Law J.; Watkins S.; Alexander, D. (2010). In-Flight
 Carbon Dioxide Exposure and Related Symptoms: Society, Reliability and Operational Implications (PDF). NASA Technical Report. TP-2010-216126. Archived from the original (PDF) on 27 June 2011. Receptioned 26 August 2014. ^ Schaefer, K.E. (1979). Effects of Prolonged Exposure to 0.5% CO2 on Kidney Calculation and Lung Ultrastructure.
 Undersea Biomed Res. S6: 155-161. PMID 505623. Receptioned 19 October 2014. Allen Yusuf G.; Macnaughton Pier; Satish Usha; Santanam Suresh; Vallarino Jose; Spengler John D. (June 1, 2016). Association scores of Cognitive Functions with Carbon Dioxide, Ventilation, and Uncertain Organic Compound Exposure in Office Employees: Controlled
 Disclosure Studies of Green and Conventional Office Environmental Health Perspective. 124 (6): 805-812. doi:10.1289/ehp.1510037. PMC 4892924. PMID 26502459. ^ Romm, Joe (October 26, 2015). Exclusive: High CO2 Levels Directly Affect Human Cognitive, New Harvard Study Shows. ThinkProgress. Receptioned 14 October 2019. ^ b
 ABG (Artery Blood Gas). Brookside Associates. Receded 2 January 2017. Above much carbon dioxide do humans contribute through breathing? Archived from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Receded 30 April 2009. Achieved from the original on 2 February 2011. Achieved from the 2 February 
original on 14 September 2008. Receded 12 October 2007. Read more Seppänen, O.A.; Fisk, W.J.; Mendell, M.J. (December 1999). Association of CO2 Ventilation and Concentration Rates with Health and Other Responses in Commercial and Institutional Buildings (PDFs). Indoor Air. 9 (4): 226–252. doi:10.1111/h.1600-0668.1999.00003.x. PMID
10649857. Archived from the original (PDF) on 27 December 2016. Shendell, D.C.; Prill, R.; Fisk, W.J.; Apte, M.G.; Blake, D.; Faulkner, D. (October 2004). The association between the concentration of CO2 classes and the presence of students in Washington and Idaho (PDF). Indoor Air. 14 (5): 333–341. doi:10.1111/j.1600-0668.2004.00251.x.
 hdl:2376/5954. PMID 15330793. Archived from the original (PDF) on 27 December 2016. Soentgen, Jens (February 2014). Hot air: Science and politics CO2. Global Environment. 7 (1): 134-171. doi:10.3197/197337314X13927191904925. Good plant design and operation for installation of carbon capture onshore and onshore pipelines recommended
guidance documents, Global CCS Institute, Institute of Energy and Institute for Global Carbon Capture and Storage, September 1st, 2010. Archived from the original on November 7, 2018, Retrieved 2 January 2018. This new title is an important guide for engineers, managers, acquisition experts and designers working on global carbon capture and storage
 projects. Wikimedia Commons outside links have media related to Carbon dioxide. Source library on Carbon dioxide Sources in your library source in another library source in a
 information in Atmospheric Carbon Dioxide (NOAA) Life-Saving War Gases. Popular Science, Jun 1942, pp. 53-57. Reactions, Thermochemistry, Uses, and Functions of Carbon Dioxide - Part Two in the Periodic Video Schedule (University of Nottingham) Taken from
```