

Carbon di oxide

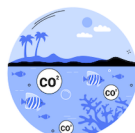
Fun fact for kids

Plant Food



The pigment that gives plants their green color and helps in the process of photosynthesis.

Ocean Acidification



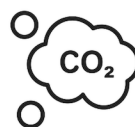
CO₂ in seawater forms acid, harming marine life with calcium carbonate shells like corals & shellfish.

Dry Ice



Dry ice: solid CO₂, cools food, medicine, and entertainment.

Carbonation



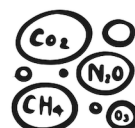
CO₂ under pressure in water forms carbonic acid, creating bubbles, giving fizz to beverages.

Fire Extinguisher



CO₂ extinguishers smother fires by displacing oxygen, perfect for electrical or damage-sensitive situations.

Greenhouse Gas



CO₂ traps heat in Earth's atmosphere, causing global warming due to human activities.

Breathing



Exhalation releases carbon dioxide, a byproduct of cellular respiration converting glucose & oxygen into energy.

Space Exploration



Carbon dioxide has been detected on other planets and moons in our solar system, such as Mars and Venus.