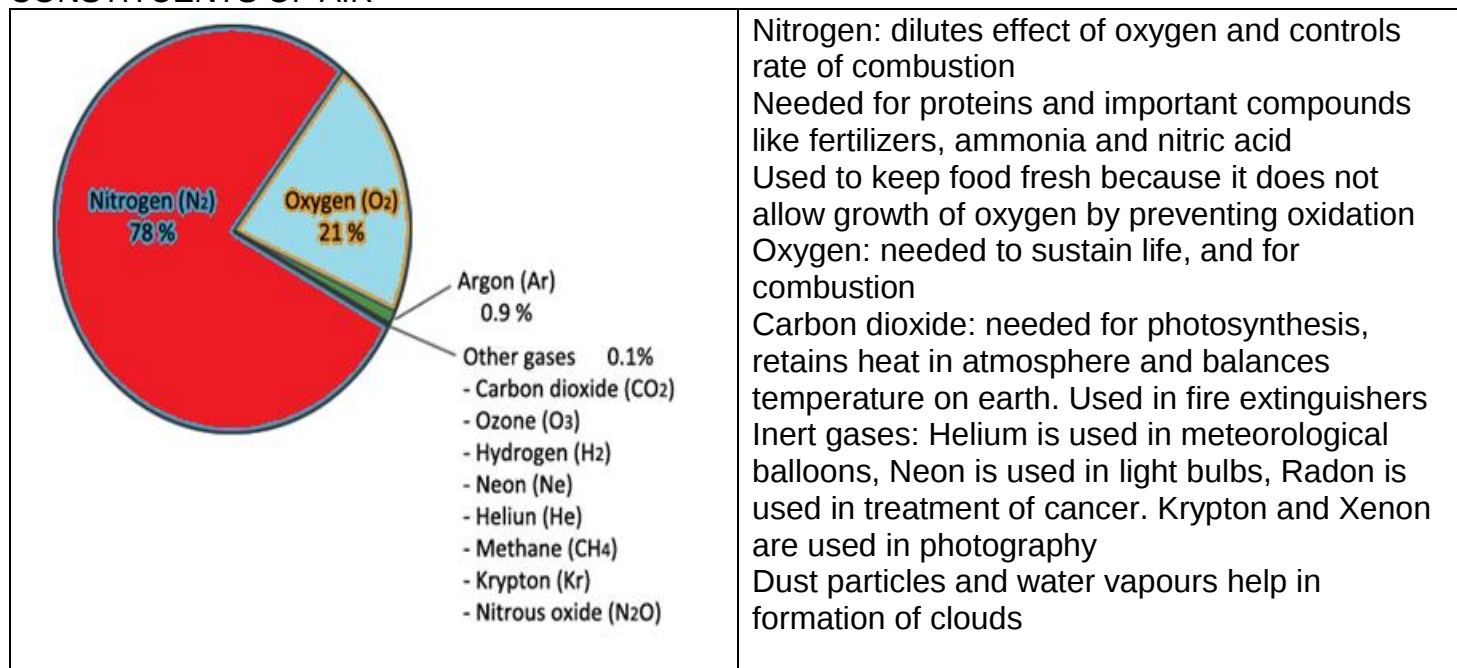
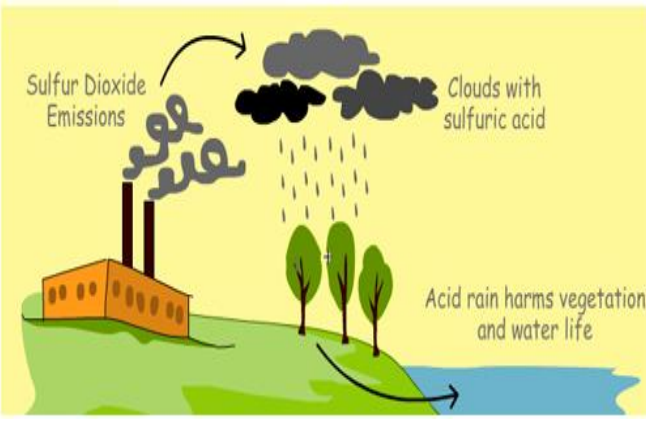


Oxygen, Air & Burning

CONSTITUENTS OF AIR

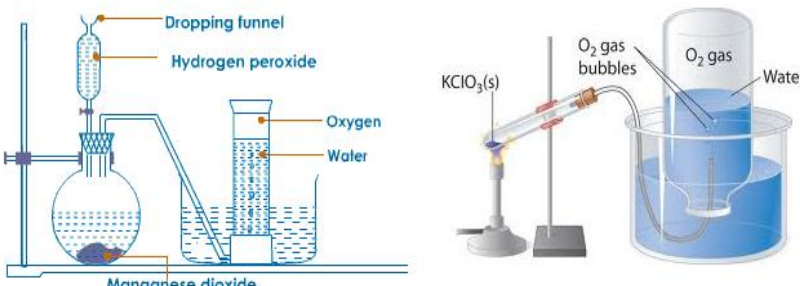


AIR POLLUTION:

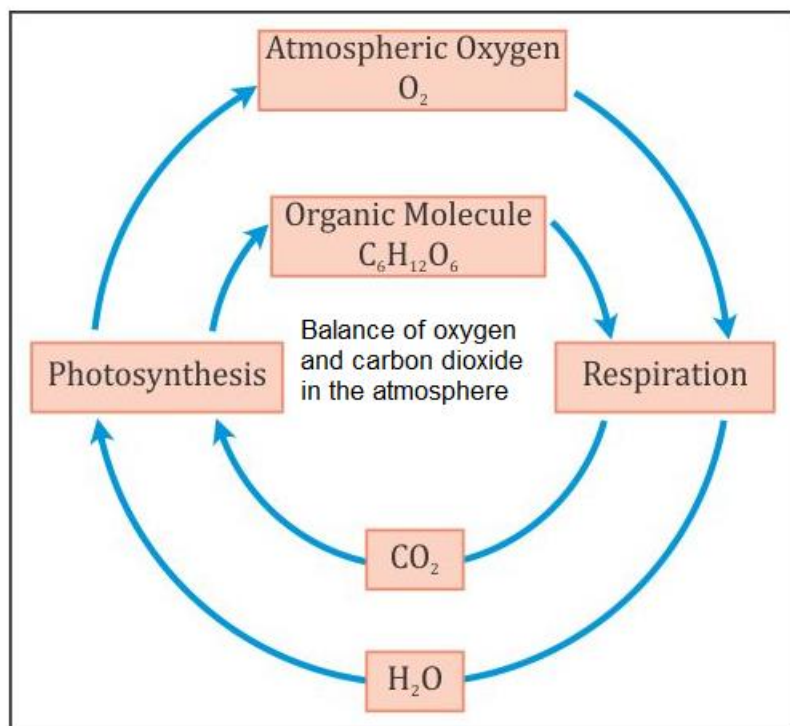
Causes of air pollution	Effects
 Automobile emissions Industrial activity Burning of fuels Smoke Pollen CFCs	Smog Asthma and bronchitis CO poisoning Lead oxide particles can cause brain damage Mercury particles can cause Minamata disease Acid rain  Acid rain can corrode buildings, metallic structures and damage soil

OXYGEN:

Preparation in the lab:

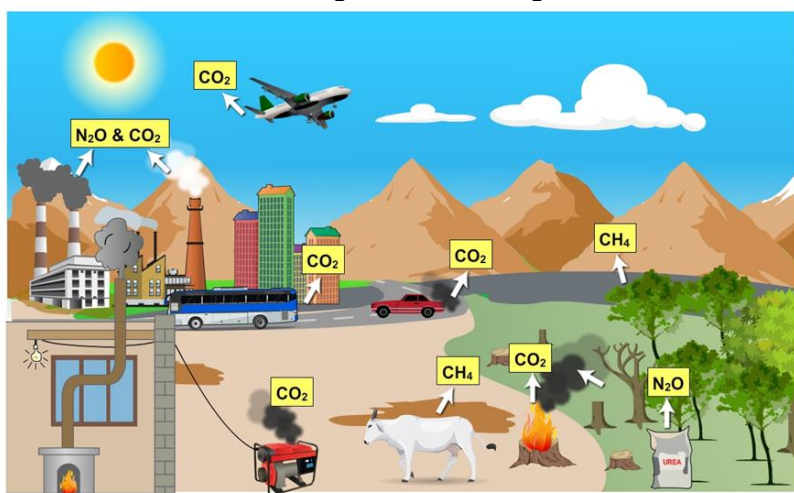
	Properties: - Supports life, odorless, tasteless - Supports combustion - Causes oxidation in metals and non-metals - Causes rust formation (Iron + oxygen → hydrated ferric oxide or rust)
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Balance of carbon dioxide and oxygen



Carbon dioxide preparation in lab	Properties
	Neither burns nor supports combustion With alkalis $\rightarrow$ carbonate salts and water With water $\rightarrow$ weak acid called carbonic acid With litmus $\rightarrow$ turns moist blue litmus to red Turns milky when passed through lime water With metals $\rightarrow$ Metal oxide + Carbon With non-metals $\rightarrow C + CO_2 \rightarrow 2CO$ (poisonous carbon monoxide)

Greenhouse effect and global warming



Global Warming is the increase of Earth's average surface temperature due to effect of greenhouse gases, such as carbon dioxide emissions from burning fossil fuels or from deforestation, which trap heat that would otherwise escape from Earth. This is a type of greenhouse effect