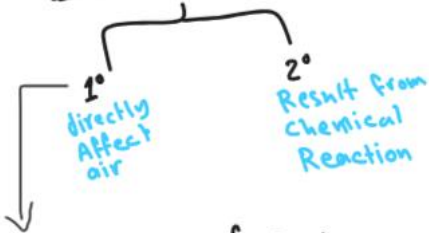


* Air pollution
pollutants > Normal
(harmful)

* Pollutants



① * Oxides of Carbon

- ^{Carbon dioxides} CO₂
 - oxidation of Hydrocarbons
 - Greenhouse gas
 - asphyxiant
- ^{Carbon monoxide} CO
 - incomplete combustion

② * VOC's

Methane (CH₄)

- Natural (marshes, animals, rice)
- Greenhouse gas
- in Coal + gas
- May 2°

③ * Oxides of Nitrogen

- | | | |
|---|---|--|
| ^{Nitric oxide}
<u>NO</u>
• Soil microbes | ^{Nitrogen dioxide}
<u>NO₂</u>
• Auto engines
• Electrical Plants
• Caus:
- brownish haze
- diseases
- Nitric Acid (HNO ₃) during Acidic Rain | ^{Nitrous oxide}
<u>N₂O</u>
• Anesthesia
• GHG |
|---|---|--|

④ * Sulfur Compounds

① sulfur oxides (SO₂, SO₃...)

- origin: from volcanos + smelters
- SO₂ → Respiratory damage
- SO₃ & SO_x → Acidic rain

② Hydrogen Sulfide (H₂S)

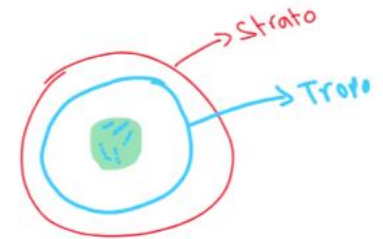
- origin: Anaerobic environment
- colorless
- odor: rotten egg sewer
- eye problem + Asphyxiant
- flamable

* O₃ (O₃)

① Tropospheric O₃
lower, Photochemical, 2°
smog

② Stratospheric O₃

- upper
- prevent UV
- Destroyed by ChloroflouroCarbon (CFC)



✗ * Suspended Particle

- most Dangerous pollutant ≤ 10 micron



* Photochemical Smog

