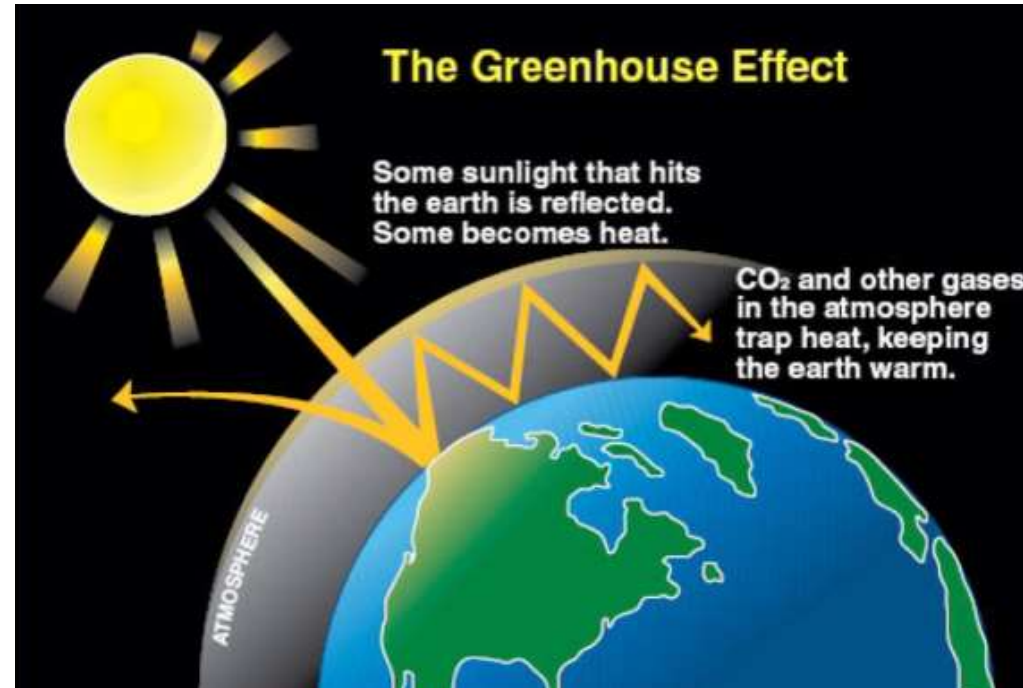


# Major Environmental Problems



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The global environmental problems include pollution, global warming, ozone depletion, acid rain, depletion of natural resources, overpopulation, waste disposal, deforestation and loss of biodiversity.

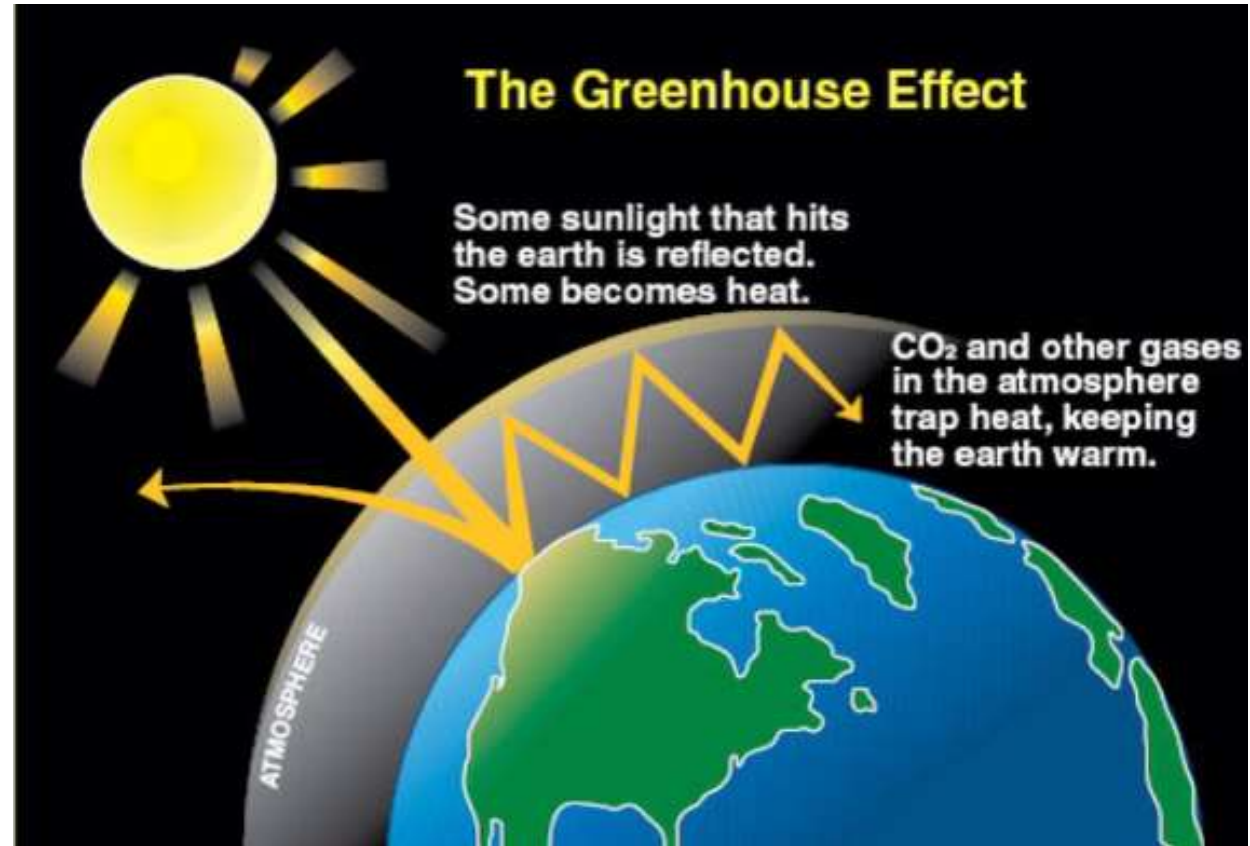
Our Mother Earth is currently facing a lot of environmental concerns. The environmental problems like global warming, acid rain, air pollution, urban sprawl, waste disposal, ozone layer depletion, water pollution, climate change and many more affect every human, animal, and nation on this planet.

वैश्विक पर्यावरणीय समस्याओं में प्रदूषण, ग्लोबल वार्मिंग, ओजोन रिक्तीकरण, अम्ल वर्षा, प्राकृतिक संसाधनों की कमी, अतिवृष्टि, अपशिष्ट निपटान, वनों की कटाई और जैव विविधता का नुकसान शामिल हैं। हमारी धरती माता वर्तमान में पर्यावरण संबंधी चिंताओं का सामना कर रही है। ग्लोबल वार्मिंग, एसिड रेन, वायु प्रदूषण, शहरी फैलाव, अपशिष्ट निपटान, ओजोन परत की कमी, जल प्रदूषण, जलवायु परिवर्तन जैसी कई पर्यावरणीय समस्याएं और इस ग्रह पर हर मानव, पशु और राष्ट्र को प्रभावित करती हैं।



# Green House Gases

- Water Vapour
- Carbon Dioxide
- Methane
- Nitrous Oxide



Necessary to keep the Earth warm enough to support life



# Global Warming

## Causes of Global Warming:

- burning of fossil fuels
- deforestation

## Effects of Global Warming:

- rise in sea level
- plants & animals becoming extinct
- people having to migrate towards inlands
- more storms, floods, fires



# El Niño-Southern Oscillation (ENSO)

**ENSO** is a natural part of the Earth's climate

- important concern is whether its intensity or frequency may change as a result of Global Warming
- most prominent known source of inter-annual variability in weather and climate around the world (about 3 to 8 years)
- signatures in the Pacific, Atlantic and Indian Oceans



# Impacts ....

- Dense tropical rainclouds distort the air flow. The waves in the air flow, in turn, determine the positions of the monsoons, and the storm tracks and belts of strong winds aloft (commonly referred to as jet streams) which separate warm and cold regions at the Earth's surface
- Coral reefs are sensitive ecosystems. The rise in sea temperature caused by El Nino and exposure to the sun combine to destroy algae that protects the coral. Destruction of coral from the effects of El Nino can be extensive





# Air Pollution

Natural Causes

Human Activities



# Sources of Pollution

Stationary



Mobile

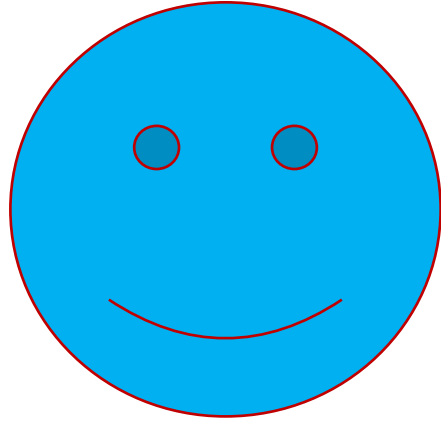




# Major Air Pollutants

- Particulate Matter
- Oxides of S (SO<sub>x</sub>) – volcanic eruptions
- Oxides of N (NO<sub>x</sub>)
- Oxides of C (CO<sub>x</sub>) – forest fires, vehicle emission
- Photochemical Smog – oil, soot, NO<sub>2</sub>, O<sub>3</sub>  
(brown due to NO<sub>2</sub>)
- Hot spring activities (H<sub>2</sub>S, NH<sub>3</sub>)
- Radio Active substances (Sr)
- Heat
- Noise





*Thank YOU*

