

Global Warming

Causes: Volcanic Eruptions, decomposition, evaporation, power plants, CAs, wetlands, deforestation, rice farming, cows farting

Chemicals Involved:

CO_2 , N_2O , CH_4 , O_3 , CFCs, H_2O vapor

Environmental Impacts:

- glaciers melt, ice caps melt, estuaries flood, thermal expansion of ocean, stronger storms, shifting ocean currents, sea levels rise, permafrost

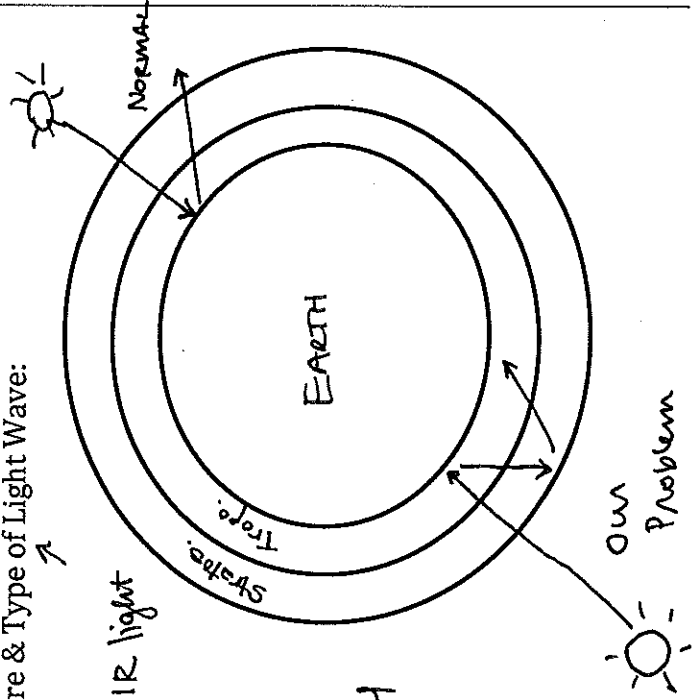
Melts, orgs. Vary change.

Human Health Issues:

- heat stroke
- ↑ insect & Bact. diseases - alt. precipitation patterns
- drought - heat waves

Layer of Atmosphere & Type of Light Wave:

Troposphere



Ozone Depletion

Causes: Propellants (hair spray, etc), refrigerators, air conditioner, "blowing agents" to make Styrofoam

$UV + CFC \rightarrow Cl + F + C$

$Cl + O \rightarrow ClO$

$Cl + O_3 \rightarrow ClO + O_2$

$O + ClO \rightarrow O_2 + Cl$

Chemicals Involved:

CFCs

1 C can break down 100,000 O_3

Environmental Impacts:

destroys plant cells, reduces photosynthetic activity, animals get cataracts & sunburn, harms phytoplankton

Human Health Issues:

- skin cancer, sunburn, cataracts, suppress immune system, cause wrinkles

Layer of Atmosphere & Type of Light Wave:

Stratosphere

UV light

