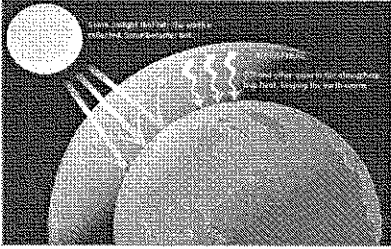


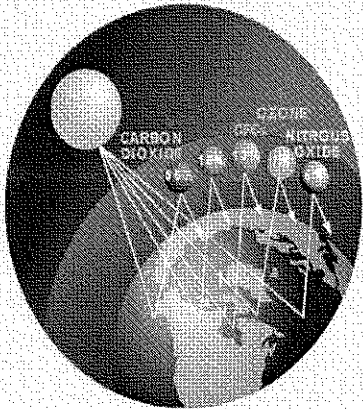
Greenhouse Gases

The Greenhouse Effect



- ❖ Over the past _____ yrs, temp has increased approx. _____ degrees Celsius (1 degree Fahrenheit)
- ❖ The reason why some scientists believe global warming is occurring – Too much _____
- ❖ _____ – The increase of Earth's overall temperature
- ❖ Others believe this is a natural phenomenon

GHG's allow _____ to pass through the atmosphere but prevent most of the outgoing _____ from _____ back to space.



Five Main Gases

- Carbon dioxide _____
- Methane _____
- Nitrous Oxide _____
- Water vapor _____
- Chlorofluorocarbons

Function of GHGs

- Help keep world's temp in _____.
- GHG's need to stay in balance (can't have _____ or _____)
- Act like a _____ and keep _____ around Earth

Water Vapor

- Causes about _____ of the greenhouse effect
- Enters atmosphere through _____

Carbon Dioxide

- _____ most abundant _____ of GHG's
- People and animals give off CO₂
- Dead plants/trees give it off
- Burning plants/trees
- Burning fossils fuels
- Stays in the atmosphere for _____ yrs

NO_x

- ▣ _____ from _____ and fertilizers
- ▣ Stored in soil and is released when the land is tilled
- ▣ Stays in the atmosphere for _____ yrs
- ▣ Has a heat trapping potential _____ times greater than carbon dioxide

Other GHCs

- ▣ Chlorofluorocarbons CFC's – destroy the ozone layer
 - They are now _____
 - Were used in aerosols, refrigerants

- ▣ _____ – used to replace CFCs
 - Used in _____, air conditioners, foam blowing and as other propellants
 - Ongoing debate s to restrict use of these