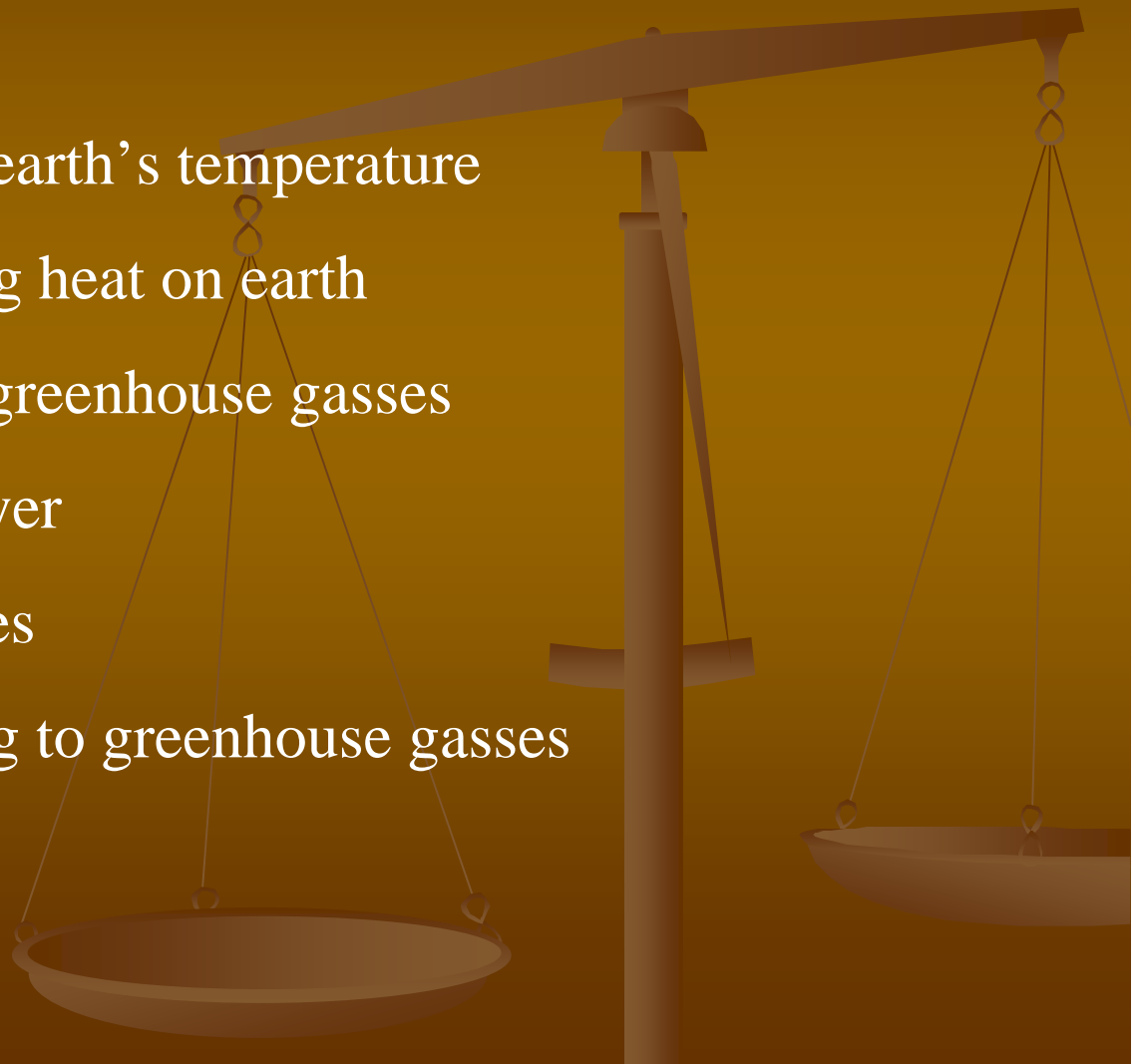


# Greenhouse Gasses



# What is Global Warming?

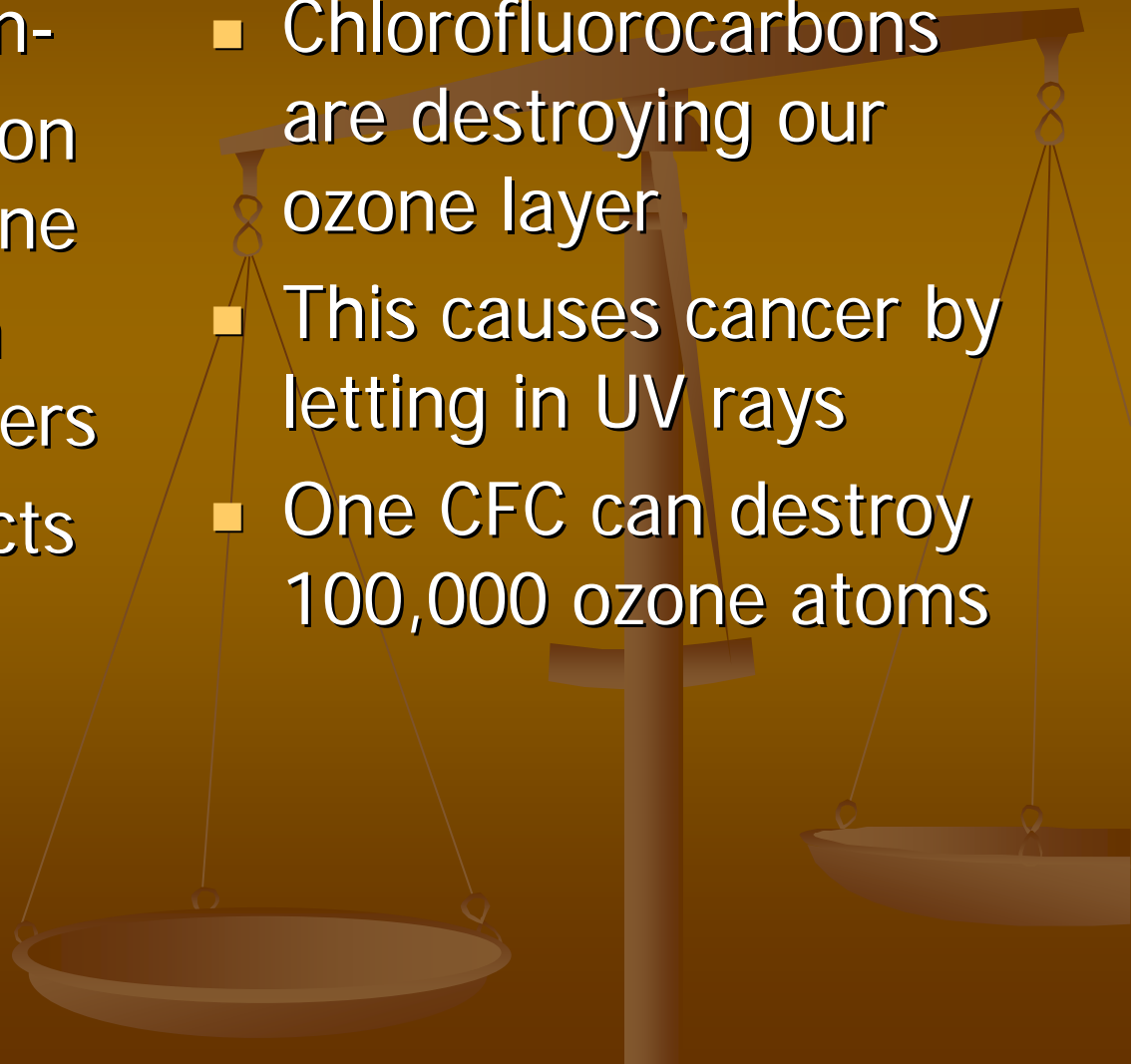
- The overall increase of earth's temperature
- The atmosphere trapping heat on earth
- Caused by Increase of greenhouse gasses
- & Hole in the ozone layer
- It is melting our ice poles
- Humans are contributing to greenhouse gasses



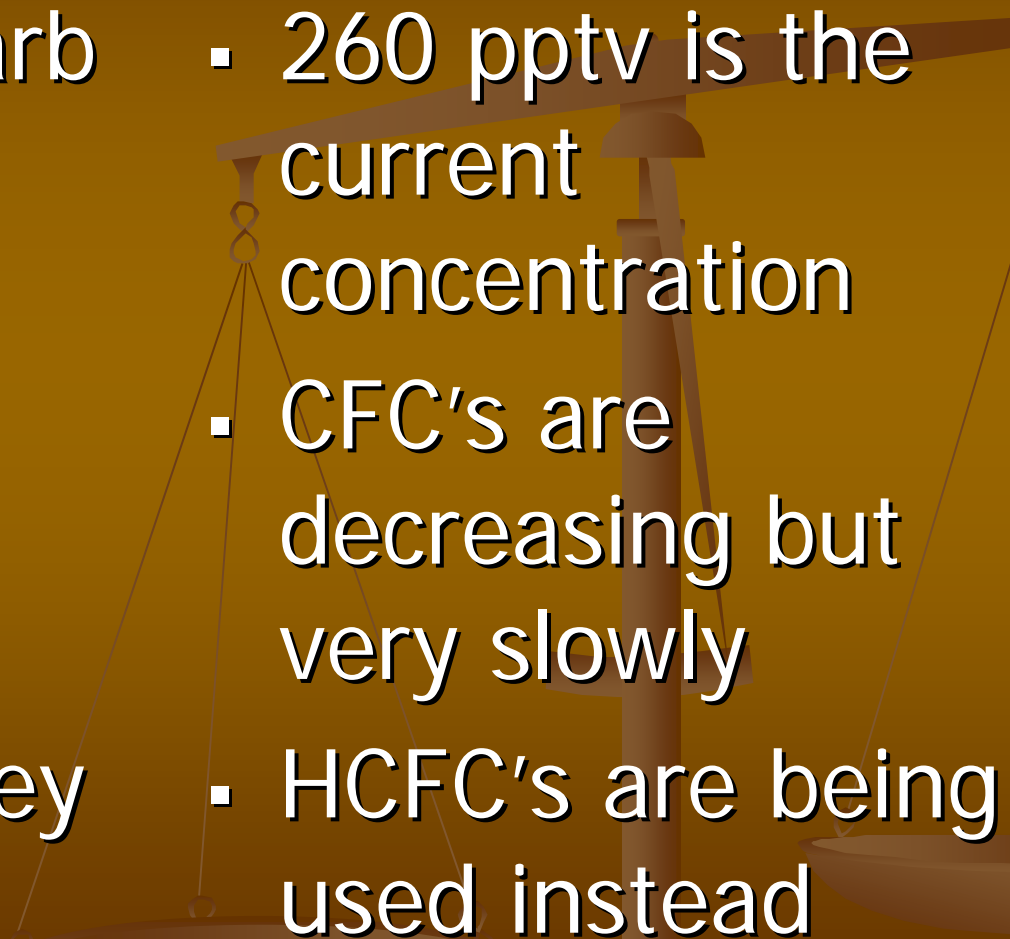
# Chlorofluorocarbons

- Chlorofluorocarbon-  
A compound of carbon  
chlorine and fluorine  
Used in refrigeration  
aerosols and inhalers  
No Human side affects  
are known.

- Chlorofluorocarbons  
are destroying our  
ozone layer
- This causes cancer by  
letting in UV rays
- One CFC can destroy  
100,000 ozone atoms

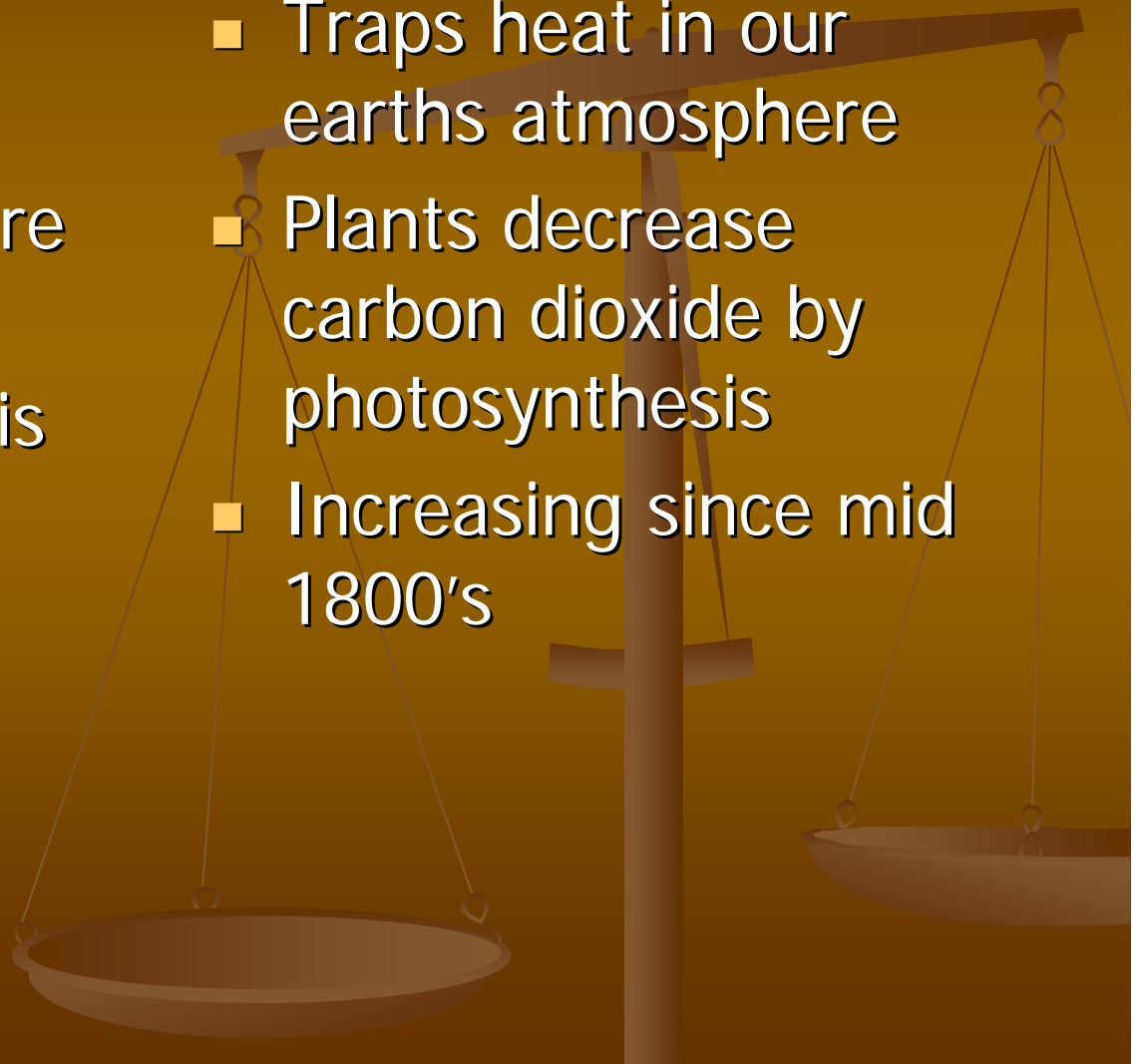


# Chlorofluorocarbons

- Chlorofluorocarbons banned in 1970's
  - Used still for inhalers
  - Invented by Thomas Midgley Jr. in 1928
  - 260 pptv is the current concentration
  - CFC's are decreasing but very slowly
  - HCFC's are being used instead
- 

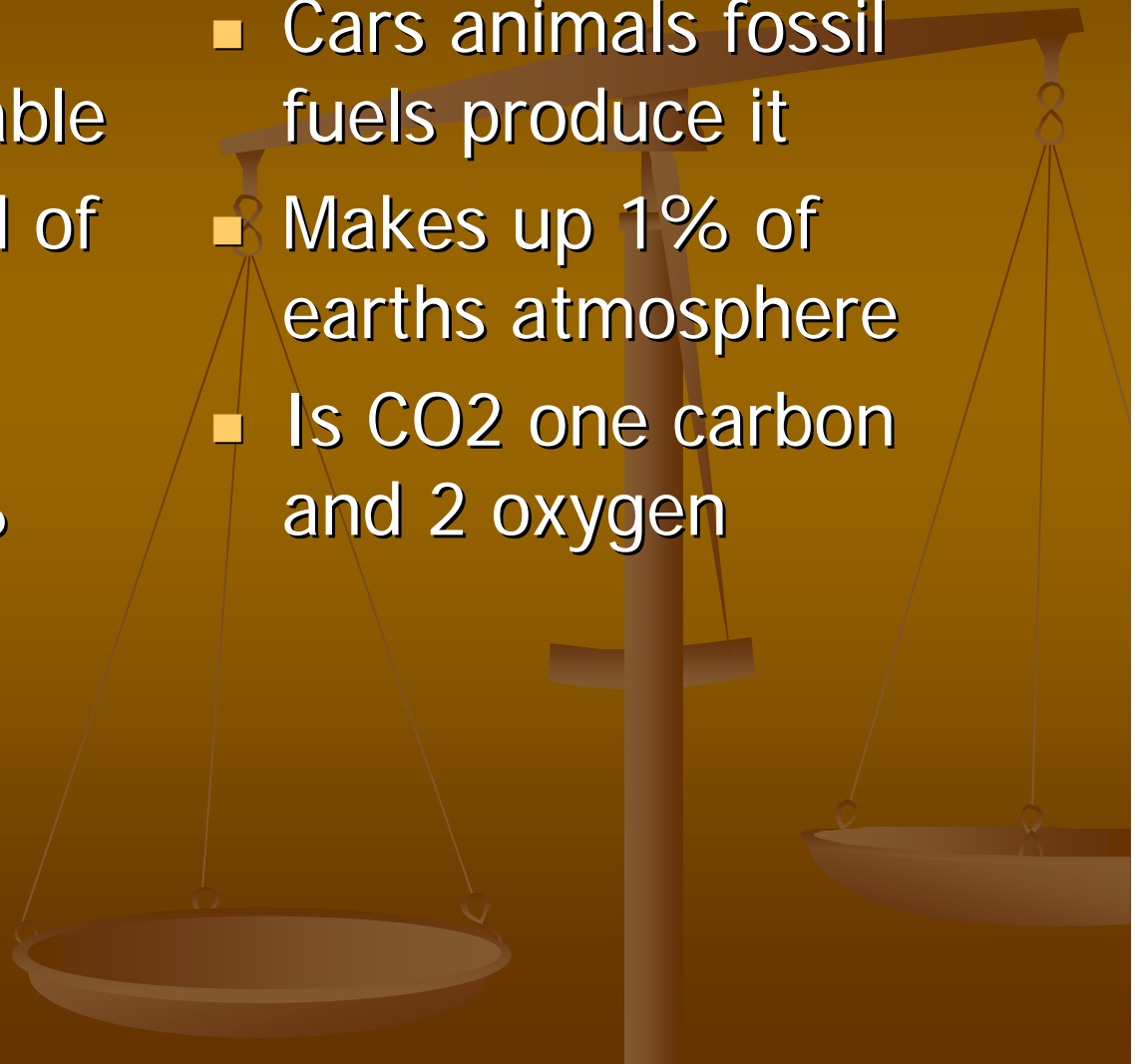
# Carbon Dioxide

- Tastes like acid
- Refrigeration carbonation and fire extinguishers
- CO<sub>2</sub> in solid form is dry ice
- Traps heat in our earth's atmosphere
- Plants decrease carbon dioxide by photosynthesis
- Increasing since mid 1800's



# Carbon Dioxide

- Odorless colorless nontoxic nonflammable
- Most concentrated of the greenhouse gasses
- Increasing 2.76 % yearly
- Cars animals fossil fuels produce it
- Makes up 1% of earths atmosphere
- Is CO<sub>2</sub> one carbon and 2 oxygen



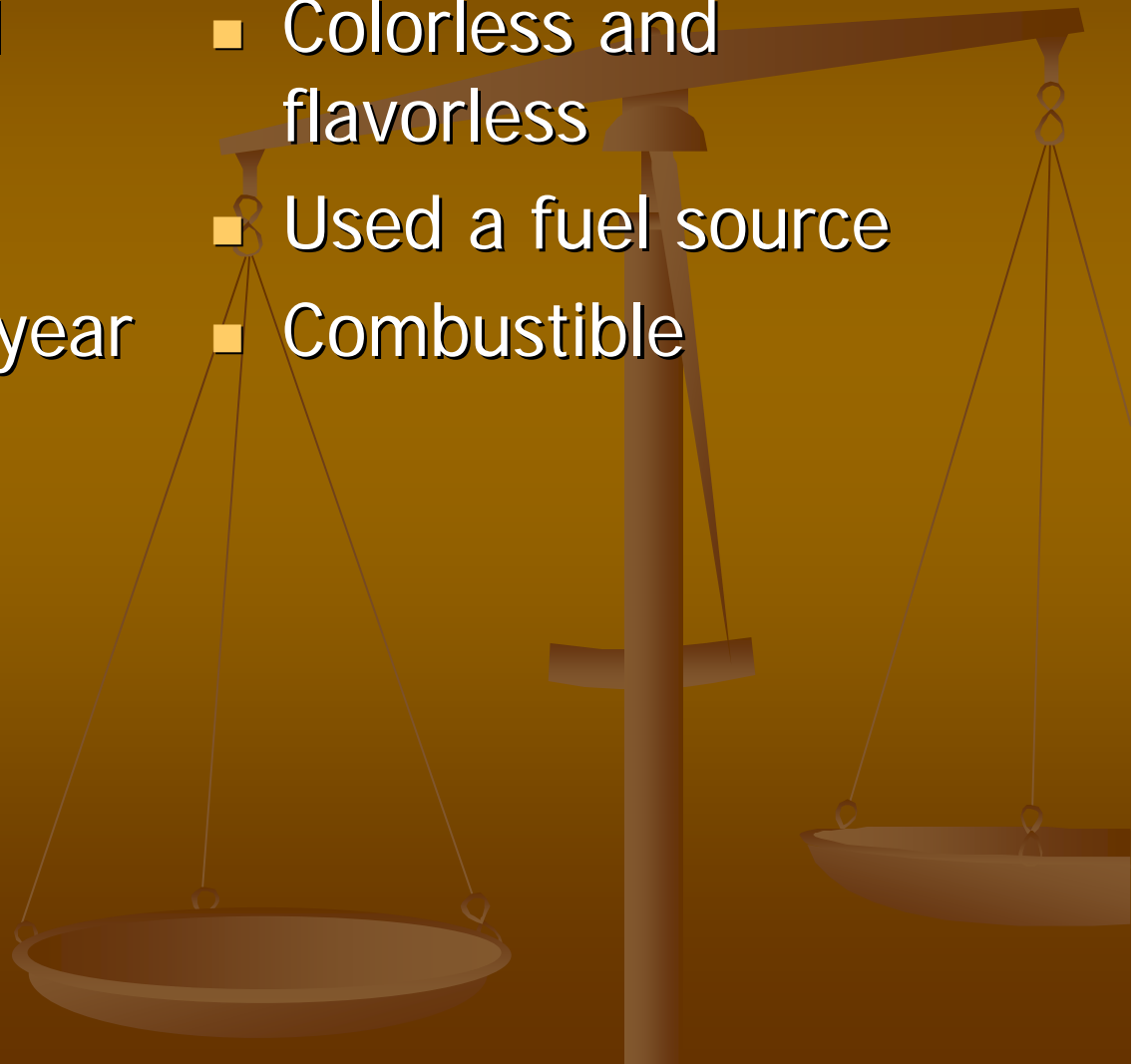
# Methane

- Comes from landfills dumps and livestock
- Trace gas in our atmosphere
- 60% is related to human activities
- A cow can produce a  $\frac{1}{2}$  pound per day
- Moist environments produce it Fertilizer
- Methane traps Heat in our earths atmosphere



# Methane

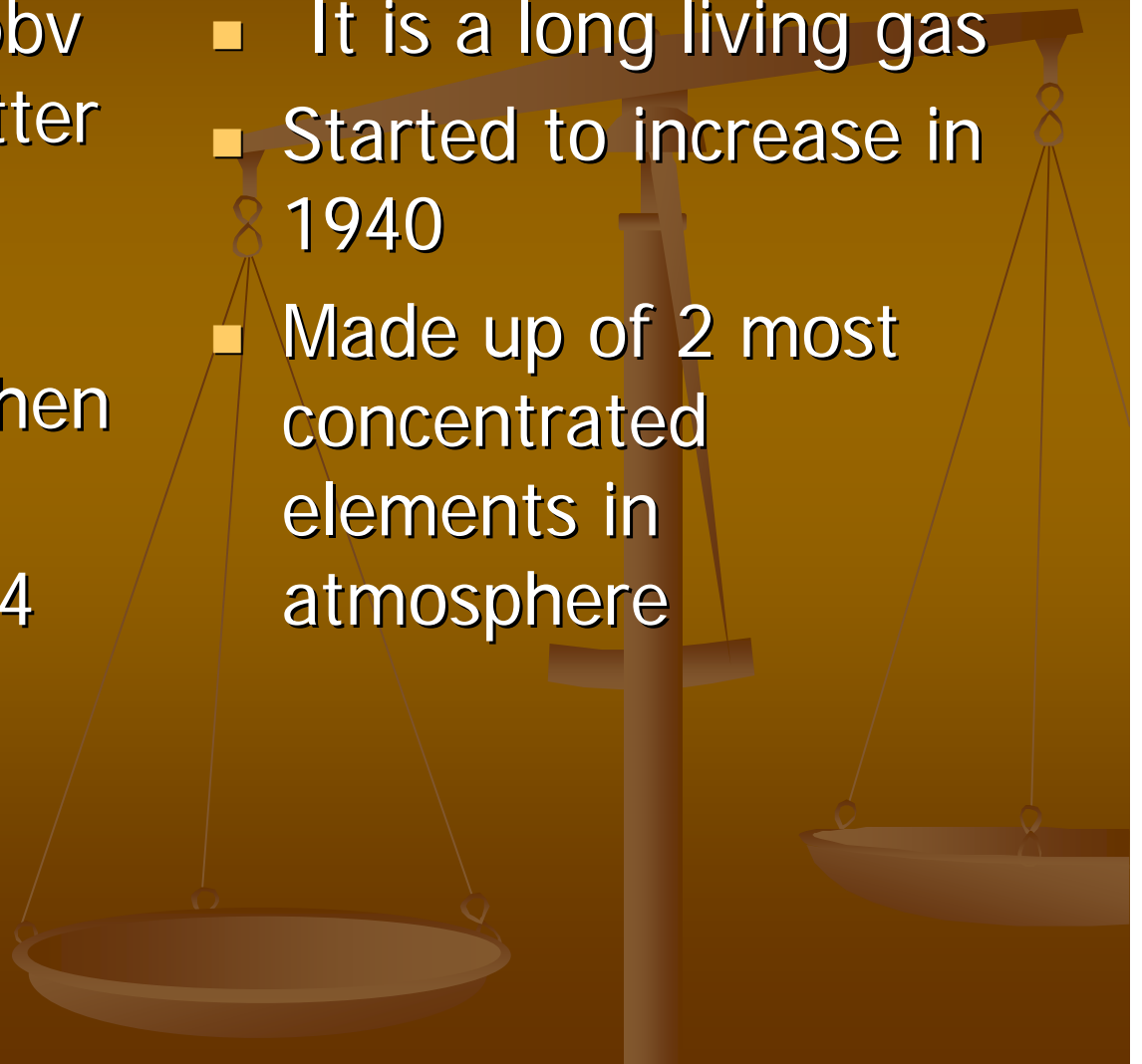
- Accelerates Global Warming
- Known as  $\text{CH}_4$
- Increases % per year
- Colorless and flavorless
- Used a fuel source
- Combustible





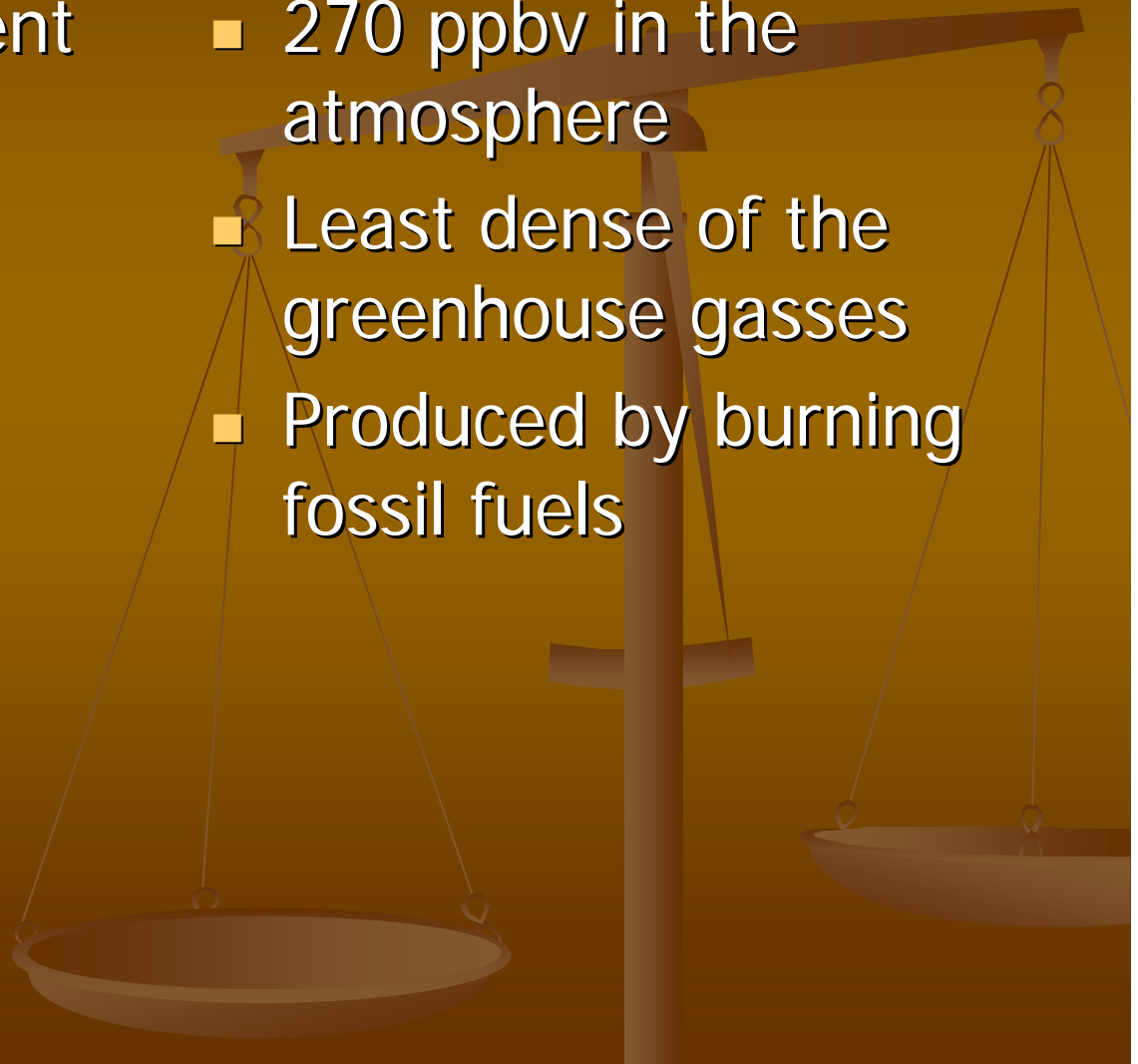
# Nitrous Oxide

- Has such a low ppbv that it doesn't matter now
- Traps 200 to 300 times more heat than methane
- Tropical soils add 4 million ton's each year
- It is a long living gas
- Started to increase in 1940
- Made up of 2 most concentrated elements in atmosphere



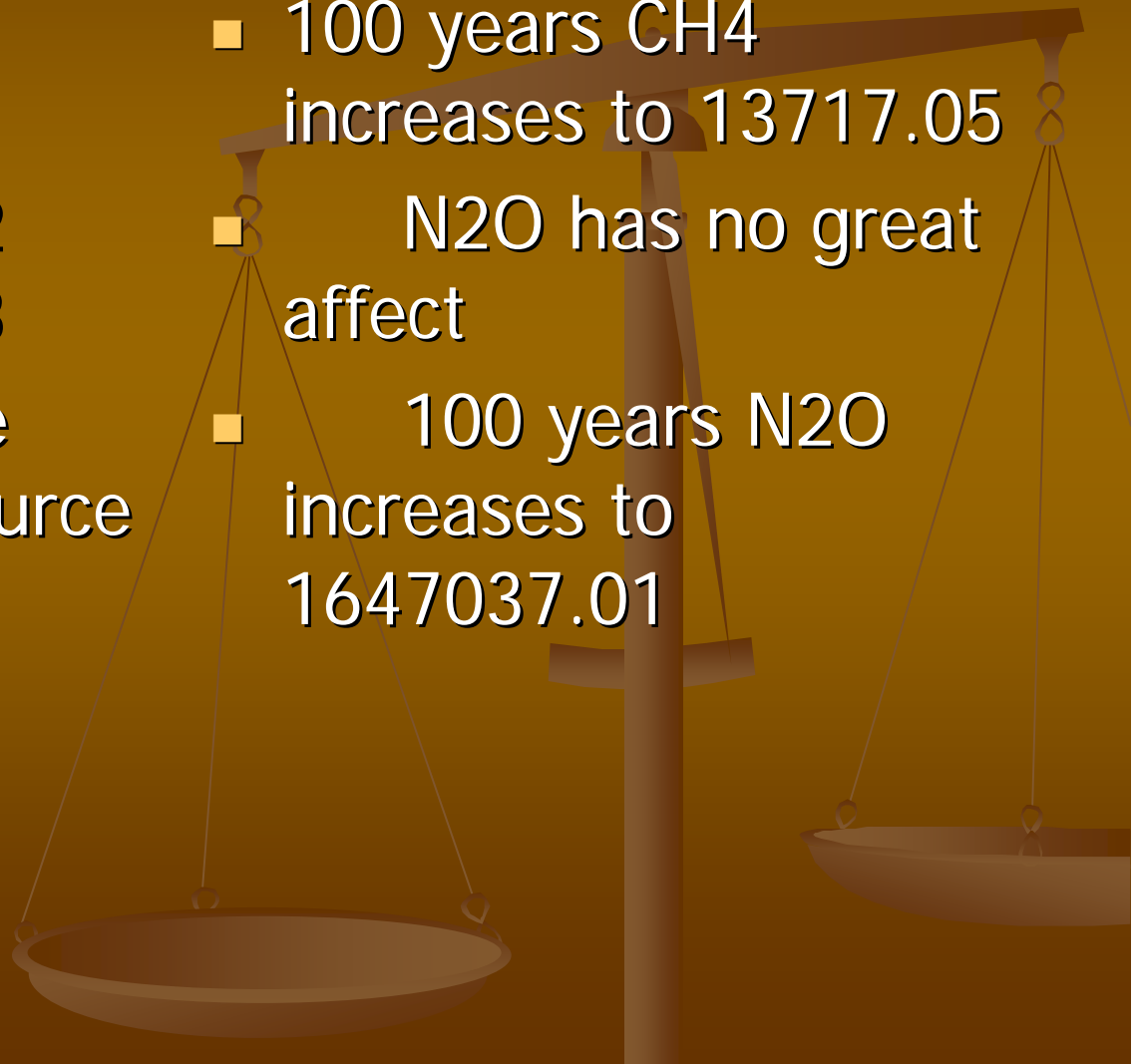
# Nitrous Oxide

- Increases .3 percent per year
- is about .000003 percent in atmosphere
- Will matter in the future
- 270 ppbv in the atmosphere
- Least dense of the greenhouse gasses
- Produced by burning fossil fuels



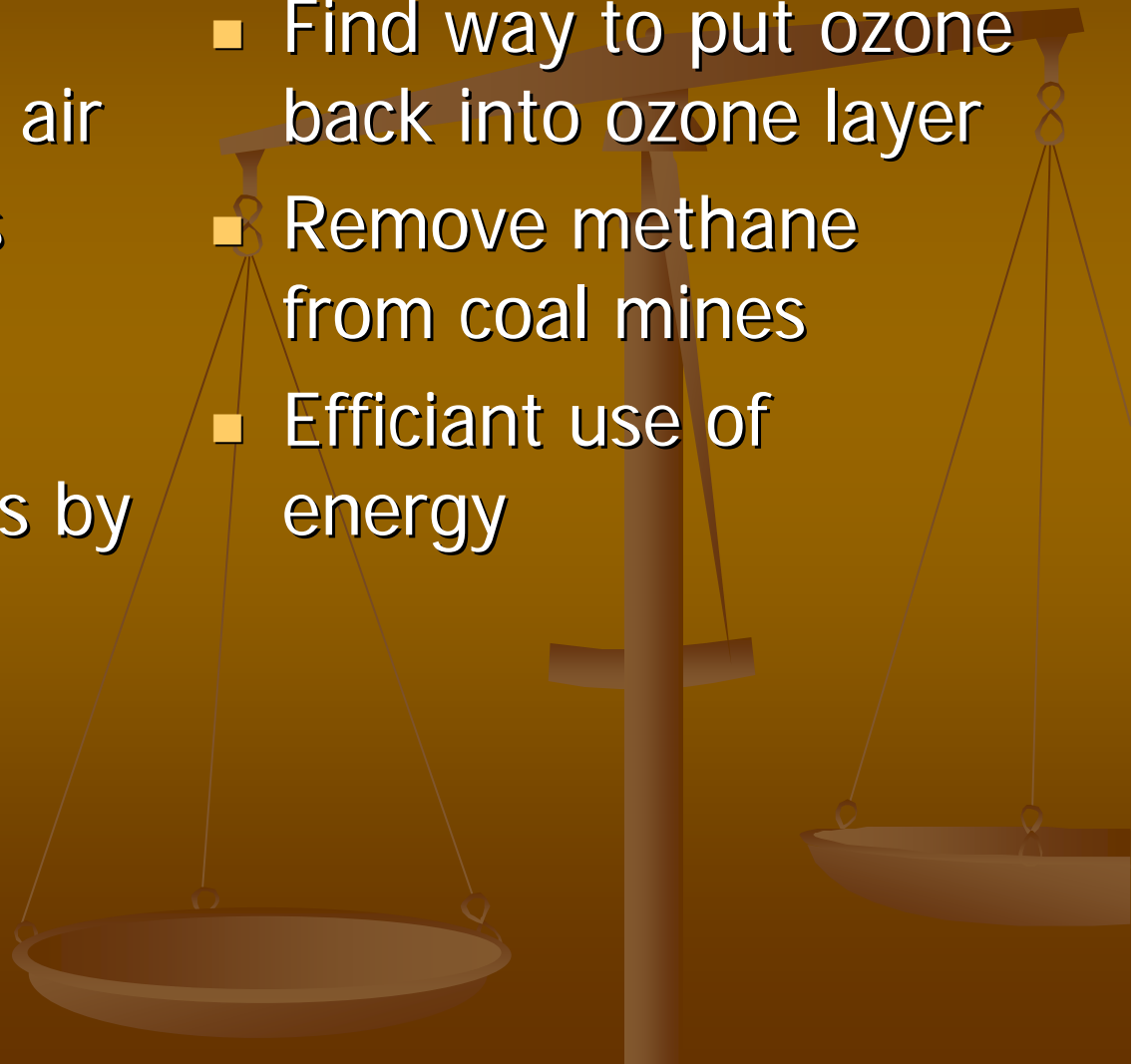
# Climate Simulations

- CO<sub>2</sub> is the major problem
- 100 years CO<sub>2</sub> increases to 592.8
- Methane is the second leading source problem
- 100 years CH<sub>4</sub> increases to 13717.05
- N<sub>2</sub>O has no great affect
- 100 years N<sub>2</sub>O increases to 1647037.01



# Proposal of Action

- Reduce Carbon Emmissions in the air
- machinery makers more fuel efficient
- Cut production of greenhouse gasses by 52%
- Find way to put ozone back into ozone layer
- Remove methane from coal mines
- Efficiant use of energy



# Closing Slide

- THANK YOU
- MR. President
- THIS is what we recommend to save our planet

