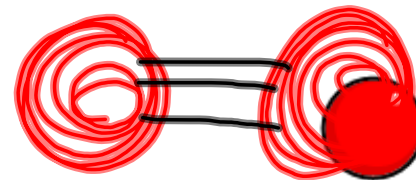
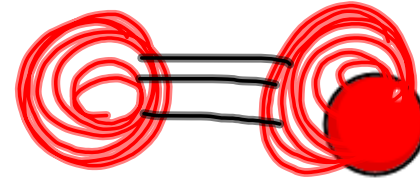
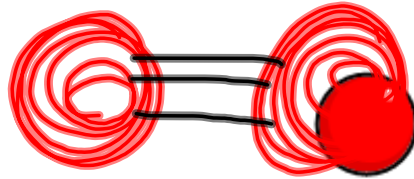


UV light
↳ cancer

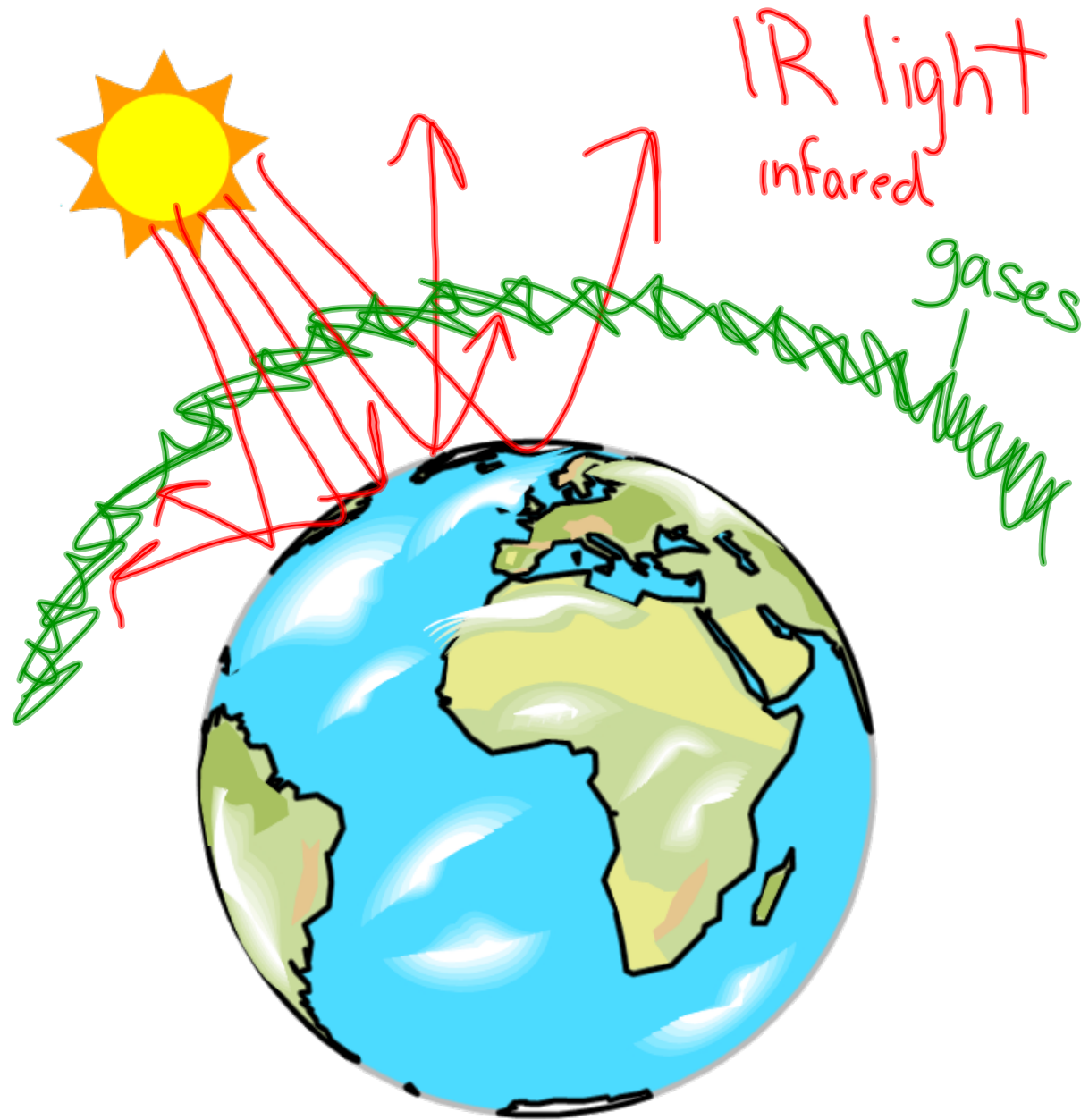


Under the Clean Air Act

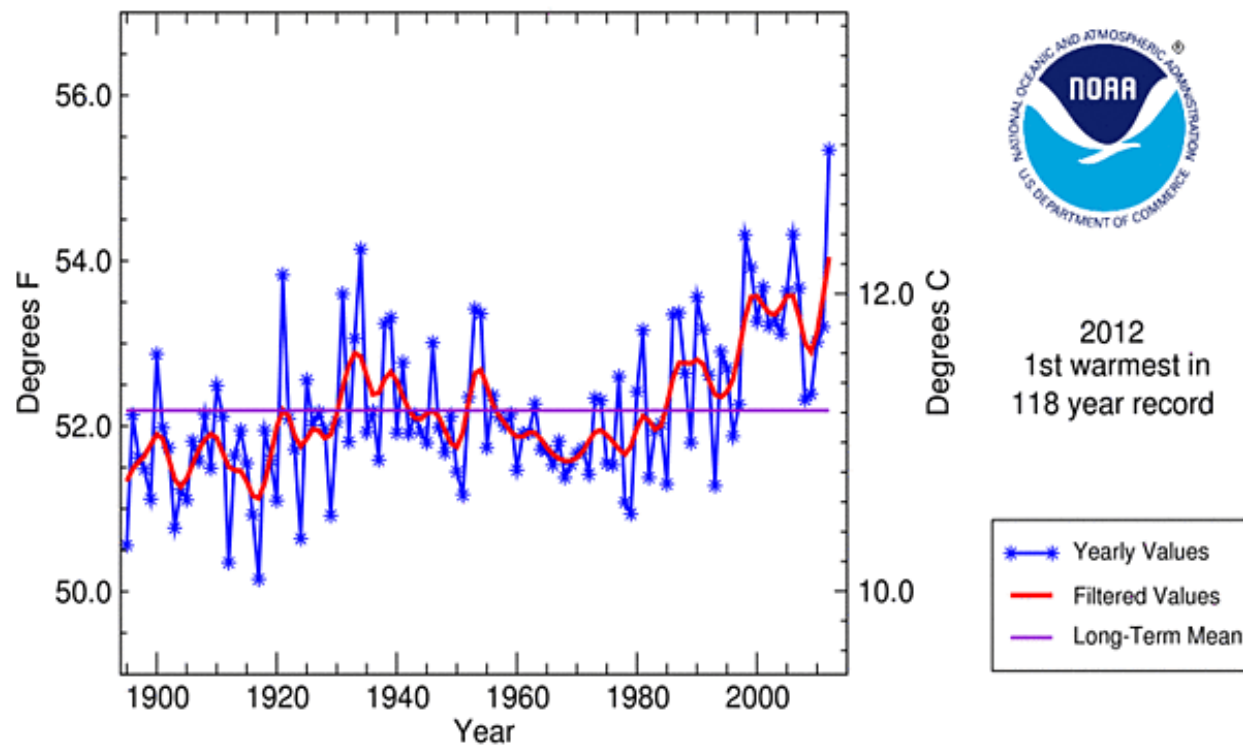
- ending the production of ozone-depleting substances
- ensuring that refrigerants and halon fire extinguishing agents are recycled properly
- identifying safe and effective alternatives to ozone-depleting substances

- banning the release of ozone-depleting refrigerants during the service, maintenance, and disposal of air conditioners and other refrigeration equipment
- requiring that manufacturers label products either containing or made with the most harmful ODS.

CFC-
chloroflourocarbons

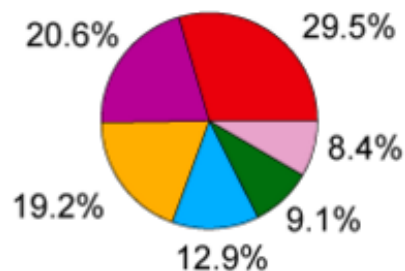
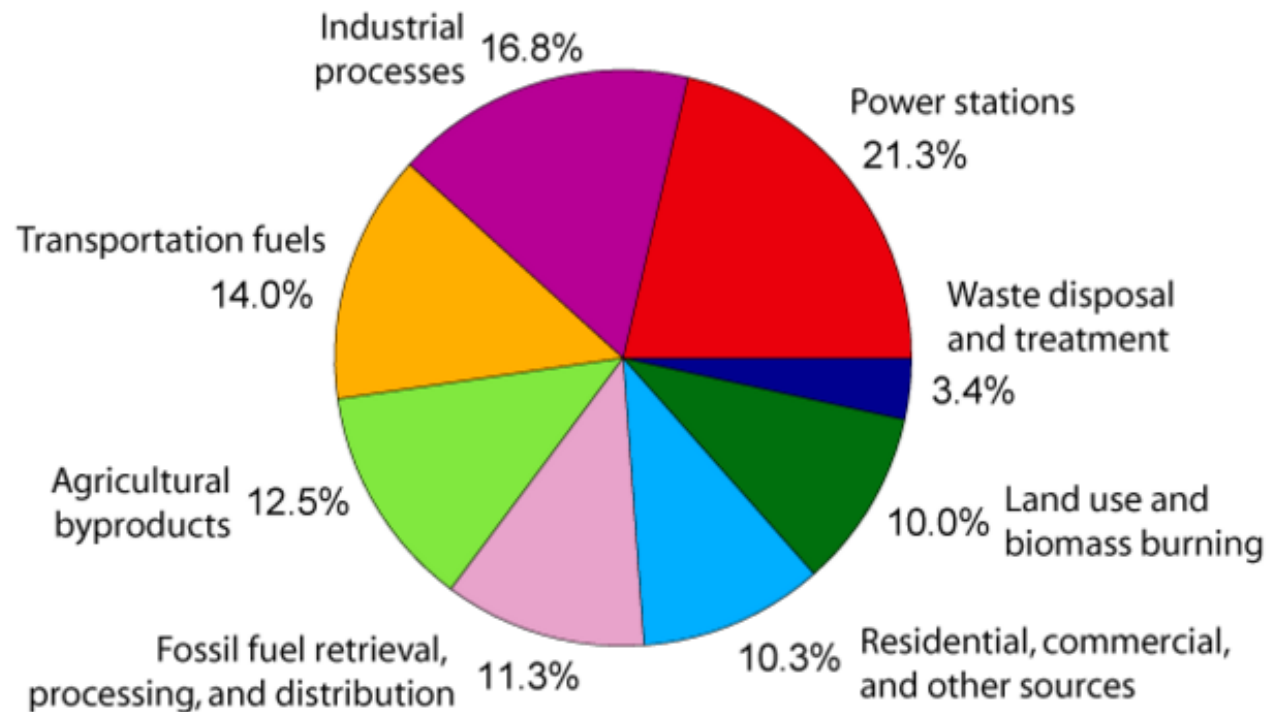


National (Contiguous U.S.) Temperature 1895 - 2012

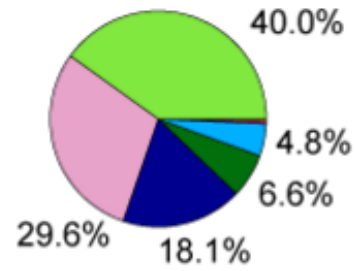


National Climatic Data Center / NESDIS / NOAA

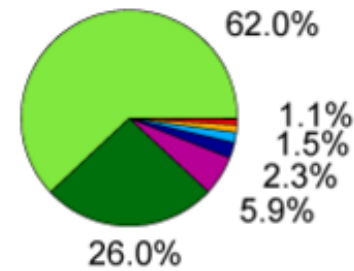
Annual Greenhouse Gas Emissions by Sector



Carbon Dioxide
(72% of total)



Methane
(18% of total)



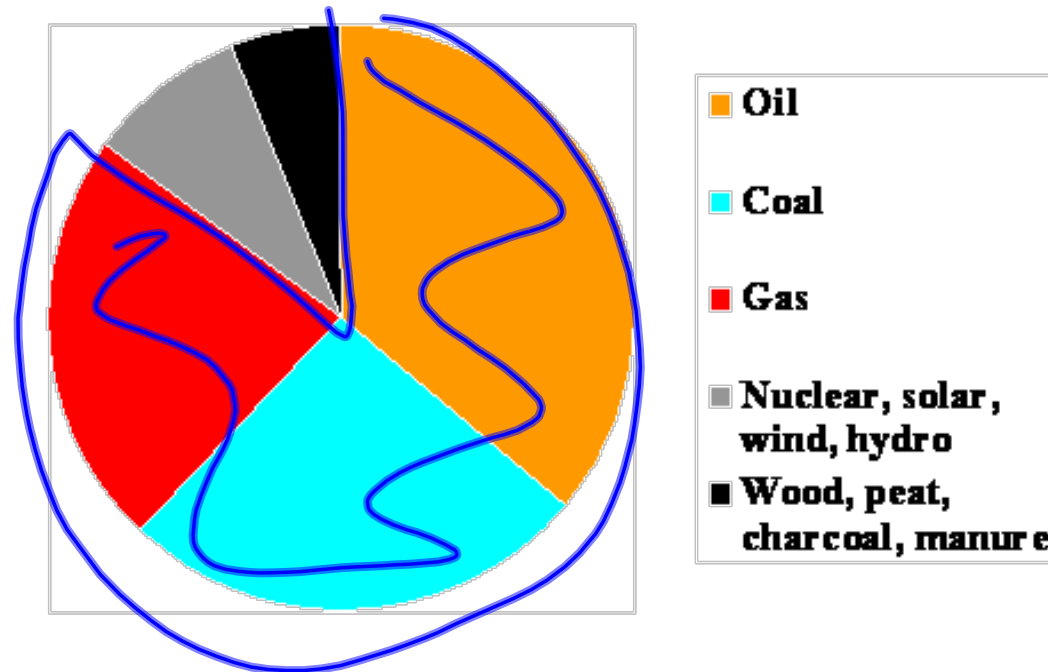
Nitrous Oxide
(9% of total)

Fossil Fuels

Fossil Fuels

- Substances that are made up of the remains of Organisms that have been buried underground for millions of years
- Petroleum, natural gas, and coal
- 85% of all commercial energy in the world

Worldwide Commercial Energy Production



Consumption of Fossil Fuels

- The 20 richest countries consume
- 80% of the natural gas
- 65% of the oil
- 50% of the coal
- This 1/5 of the population consumes more than $\frac{1}{2}$ of the commercial energy
- The US and Canada are 5% of the world population and consume $\frac{1}{4}$ of the available energy

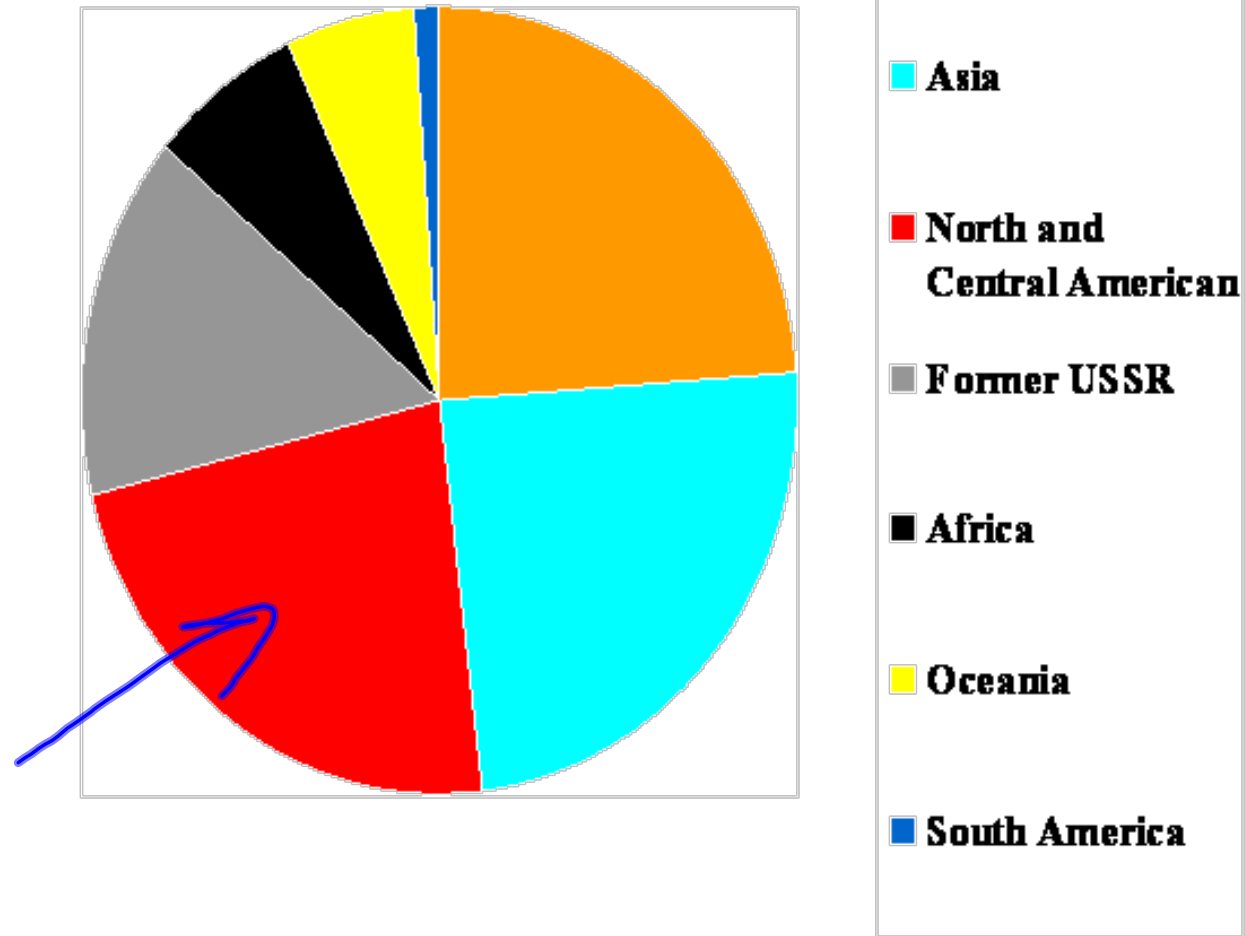
Each person consumes, on average as much energy in a day as a person in a poor country does in year.

Coal

- Coal mining is hot, dirty and dangerous
- Untold thousands have died because of respiratory disease
- Coal burning releases radioactive and many toxic chemicals.
- Air pollutants damage humans, wild plants, animals, and buildings
- Only get 40% percent yield

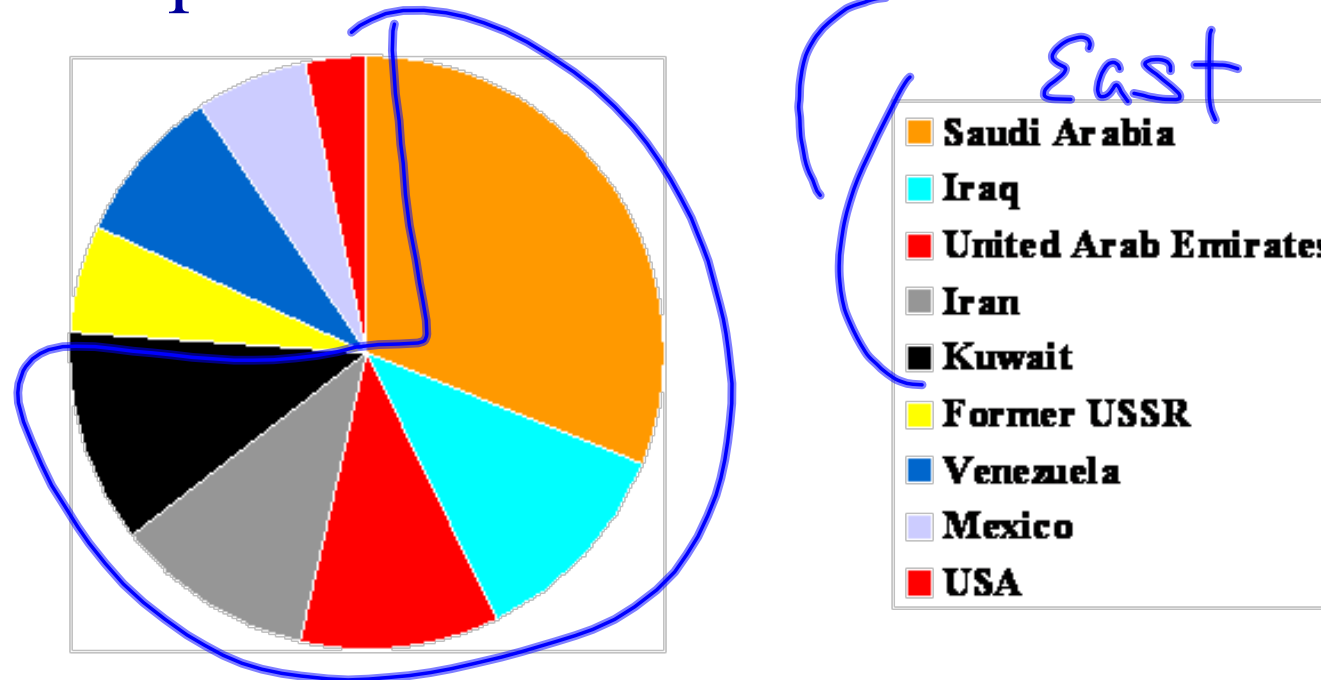
Coal

190 more years of coal



Oil

- Half of the world oil is unrecoverable
- Enough to last 35 years at current consumption rates



Natural Gas

- Produces only half as much CO₂ as an equivalent amount of coal
- Gas consumption rates are only 50 of oil rates
- 30 years more at current consumption rates

Natural Gas

