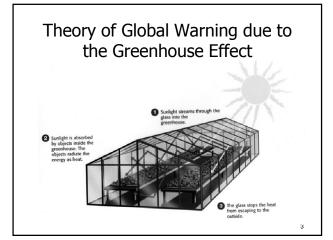
Climate Change

Climate Change

- Global Warming: an increase of .7° C to the troposphere over the last 120 years.
 Theory based upon:
 - - Greenhouse gases Carbon dioxide, water vapor and methane
 - Increased levels of CO₂ may be from man made causes
 - Industrial Revolution starts in the 1800's corresponds to the beginning of the rise in CO₂ levels.
 - Samples of CO₂ taken from ice cores in the Antarctic
 - Climate Variation Hypothesis: some say CO₂ increase NOT due human activities.
 - Some say variations in the output of the sun's energy is the cause of climate change.



Ozone depletion:

- Atmospheric ozone reflects harmful UV solar rays back into space, protecting Earth's inhabitants.
- Chemicals produced by humans have been damaging the ozone layer of the atmosphere
- Ozone hole over Antarctica caused by CFCs
 - CFC's Chlorofluorocarbons
 - They rise into the stratosphere
 - UV radiation breaks them into chlorine
 - Chlorine converts ozone into oxygen, depleting ozone
 - Less ozone allows more UV to penetrate to the surface
 - More UV hitting the surface can cause more damage -
 - Increased Skin cancer
 - Eye damage
- Environmental agreements stop use of CFCs and are fixing the

Ozone Depletion due to the formation of the Ozone Hole over **Antarctica**

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