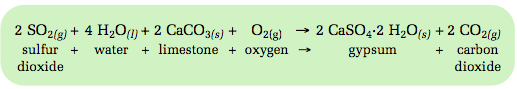
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| Science 9 | Unit C |
| Monitoring Air Quality | 84 mins |

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| Measured in 2 Ways   * measuring the levels of pollutants in the air * estimating the amount of emissions from pollution sources   Types of Pollutants   * Sulfur Dioxide   Forms Smog and Acid Rain | More Accurate  SO2  Scrubbers change the SO2 to a useful chemical Gypsum |



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| * Nitrogen Oxides   Mixtures of NO2 and NO gases  Forms Smog and Acid Rain   * Carbon Monoxide   Formed from burning with not enough oxygen   * CFCs   Useful chemical used as a propellant in aerosols and a coolant in fridges  Reacts with UV to make chlorine… destroys the ozone,   * Ozone   + In Atmosphere   + Helps protect the planet   + Ground-Level   + Formed from NOx O and VOCs | NOx  CO  Silent Killer  Chlorofluorocarbons  1 CFC can destroy 100 000 Ozone molecules  O3  Good Ozone  Bad Ozone  VOC – Volatile Organic Compounds |

Greenhouse Gases

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| --- | --- |
| * Any gas that helps trap heat on the planet   Carbon Dioxide   * naturally occurring gas * artificially produced in burning of fuels   Greenhouse Effect   * needed for survival, keeps the planet warm   Enhanced Greenhouse Effect   * too many greenhouse gases can trap too much heat * May be causing Global Warming | CO2, H2O, Methane, Nitrogen Oxides  Macintosh HD:Users:n3x3n:Desktop:Screen shot 2015-05-07 at 10.33.34 PM.png |