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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 AccurateSO2Scrubbers change the SO2 to a useful chemical Gypsum |



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| * Nitrogen Oxides

Mixtures of NO2 and NO gasesForms 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 fridgesReacts with UV to make chlorine… destroys the ozone,* Ozone
	+ In Atmosphere
	+ Helps protect the planet
	+ Ground-Level
	+ Formed from NOx O and VOCs
 | NOxCOSilent KillerChlorofluorocarbons1 CFC can destroy 100 000 Ozone moleculesO3Good OzoneBad OzoneVOC – 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 OxidesMacintosh HD:Users:n3x3n:Desktop:Screen shot 2015-05-07 at 10.33.34 PM.png |