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| **INDUSTRIAL SMOG** |
| **Primary Pollutant(s):**SOx |
| **Secondary Pollutant(s):**SO3, H2SO4, PM |
| **Anthropogenic Source:**Fossil Fuel Burning(Coal-burning Power Plants) |
| Problem Locations Include:Beijing, China |
| **Effect(s):**Exacerbates Respiratory Illness, Loss of aesthetic appeal |

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| **PHOTOCHEMICAL SMOG** |
| **Primary Pollutant(s):**NOx & VOCs |
| **Secondary Pollutant:**Ozone & PANs |
| **Anthropogenic Source:**Fossil fuel burning internal combustion engines (vehicle exhaust) |
| Problem Locations Include:Los Angeles, California |
| **Effect(s):**Exacerbates Respiratory Illness, Eye Irritation, Reduced photosynthesis, Causes structural damage |

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| **ACID DEPOSITION** |
| **Primary Pollutant(s):**SOx & NOx |
| **Secondary Pollutant(s):**H2SO4 & HNO3 |
| **Anthropogenic Source:**Coal burning & Vehicles |
| Problem Locations Include:Eastern USA |
| **Effect(s):**Nutrients and Heavy Metals leached from soils, Damages plants leaves and roots, Affects aquatic ecosystems and organisms |

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| **OZONE DEPLETION** |
| **Primary Pollutant(s):**CFCs, Halons |
| **Secondary Pollutant(s):**N/A |
| **Anthropogenic Source:** Refrigerants, Aerosols |
| Problem Locations Include: Stratosphere over Antarctica |
| **Effect(s):**Increased sun burn and skin cancer, reduced photosynthesis, increased climate change |

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| **CLIMATE CHANGE** |
| **Primary Pollutant(s):**CO2, CH4, H2O, N2O, CFCs, Halons |
| **Secondary Pollutant(s):**N/A |
| **Anthropogenic Source**: Combustion, Deforestation, Agriculture |
| Problem Locations Include: Everywhere! Arctic regions & Low-lying areas most dramatically affected |
| **Effect(s):**Melting Ice & Glaciers, Sea Level Rise, Loss of Biodiversity, Changing Ocean Currents |