

Air Pollution Sources

Major Man-Made Air Pollutants

POLLUTANT	DESCRIPTION	SOURCES	SIGNS/ EFFECTS
Carbon monoxide (CO)	<ul style="list-style-type: none"> colorless, odorless gas 	<ul style="list-style-type: none"> vehicles burning gasoline indoor sources, including kerosene, wood-burning, natural gas, coal, or wood-burning stoves and heaters 	<ul style="list-style-type: none"> headaches, reduced mental alertness, death heart damage
Lead (Pb)	<ul style="list-style-type: none"> metallic element 	<ul style="list-style-type: none"> vehicles burning leaded gasoline metal refineries lead paint 	<ul style="list-style-type: none"> brain and kidney damage contaminated crops and livestock
Nitrogen oxides (NO _x)	<ul style="list-style-type: none"> gaseous compounds made up of nitrogen and oxygen 	<ul style="list-style-type: none"> vehicles power plants burning fossil fuels coal-burning stoves 	<ul style="list-style-type: none"> lung damage react in atmosphere to form acid rain deteriorate buildings and statues damage forests form ozone & other pollutants (smog)
Ozone (O ₃)	<ul style="list-style-type: none"> gaseous pollutant 	<ul style="list-style-type: none"> vehicle exhaust and certain other fumes formed from other air pollutants in the presence of sunlight 	<ul style="list-style-type: none"> lung damage eye irritation respiratory tract problems damages vegetation smog
Particulate matter	<ul style="list-style-type: none"> very small particles of soot, dust, or other matter, including tiny droplets of liquids 	<ul style="list-style-type: none"> diesel engines power plants industries windblown dust wood stoves 	<ul style="list-style-type: none"> lung damage eye irritation damages crops reduces visibility discolors buildings and statues
Sulphur dioxide (SO ₂)	<ul style="list-style-type: none"> gaseous compound made up of sulphur and oxygen 	<ul style="list-style-type: none"> coal-burning power plants and industries coal-burning stoves refineries 	<ul style="list-style-type: none"> eye irritation lung damage kills aquatic life reacts in atmosphere to form acid rain damages forests deteriorates buildings and statues

Source: EPA's Project A.I.R.E. <http://www.epa.gov/region01/students/teacher/airqual.html>.