

# Industrial air pollution and health risk:

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## What industries are the main sources of air pollution?



*Illustration 1: nuclear plant source* :[http://www.google.fr/imgres?imgurl=http://www.lyon-chiensguides.fr/wp-content/uploads/2014/10/centrale-nucl%25C3%25A9aire-s%25C3%25A9curit%25C3%25A9.jpg&imgrefurl=http://www.lyon-chiensguides.fr/event/centrale-nucleaire/&h=700&w=1133&tbnid=isp-2ZA6TmwGM:&zoom=1&q=centrale+nucl%25C3%25A9aire&tbnh=90&tbnw=146&usg=\\_\\_1M2pePqhiZYma2NzDvO1IRvPgk0=&docid=l8nUxxnAbFg3IM](http://www.google.fr/imgres?imgurl=http://www.lyon-chiensguides.fr/wp-content/uploads/2014/10/centrale-nucl%25C3%25A9aire-s%25C3%25A9curit%25C3%25A9.jpg&imgrefurl=http://www.lyon-chiensguides.fr/event/centrale-nucleaire/&h=700&w=1133&tbnid=isp-2ZA6TmwGM:&zoom=1&q=centrale+nucl%25C3%25A9aire&tbnh=90&tbnw=146&usg=__1M2pePqhiZYma2NzDvO1IRvPgk0=&docid=l8nUxxnAbFg3IM)

Environmental pollution is caused by several sources, including human and anthropogenic activities. Most environmental pollution comes from human sources and enters into the atmosphere, streams and soils. Factories, transportation vehicles — including cars, trains and planes — and negligent agricultural and construction practices are all common and widespread sources of pollution. Air pollution is one of the most widespread types of environmental pollution. This type of pollution comes from the collection of toxic chemicals and additives in the atmosphere that are released by sprays, liquids and the conversion of fossil fuels into energy. Similarly, water pollution comes from abnormally high levels of synthetic chemicals that leach into streams from runoff and via precipitation.

« *Let's Save our mother earth* »

From: <http://www.ask.com/science/causes-environmental-pollution-1b8b6a8bf4c61726?qo=questionPageSimilarContent#full-answer>

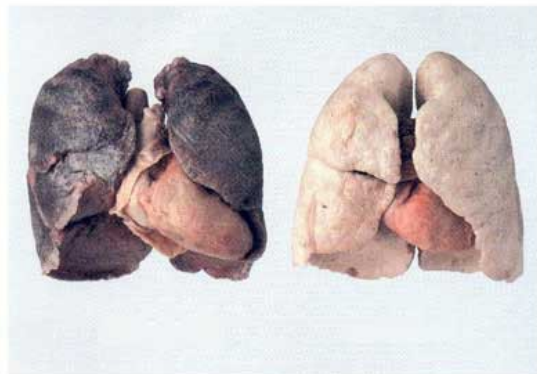


*Illustration 2: air pollution* source: [http://www.jim.fr/e-docs/00/02/49/DC/carac\\_photo\\_1.jpg](http://www.jim.fr/e-docs/00/02/49/DC/carac_photo_1.jpg)

### What diseases are caused by air pollution?

#### COPD:

Chronic obstructive pulmonary disease or COPD is a disease that can be caused by air pollution. This disease causes along the airways of chronic conditions and air sacs lose their shape and become distended, chronic bronchitis and emphysema are common diseases. According to the American Lung Association, or ALA, long-term exposure to air pollution, especially caused by cars, boosts the risk for women to have this disease and die prematurely. Truck drivers, railway workers may be more susceptible to lung, heart and COPD due to chronic exposure to diesel exhaust during labor who can cause them to death. ALA also notes that even low of ozone and fine particulate levels increase the risk of hospitalization of a person for pneumonia and COPD.



### Lung Cancer:

Lung cancer is a disease that can be caused by air pollution. According LungCancer.org, lung cancer is characterized by the uncontrolled growth of abnormal cells in one or both lungs. Over time, the abnormal cells can develop in primary tumors and alter the function of the lungs to the blood supply, and thus the body with oxygen. LungCancer.org indicates that there are two main types of lung cancer: lung cancer or non-small cell NSCLC and lung small cell lung cancer or SCLC. According to a 2002 study by C. Arden Pope III, Ph.D., and his colleagues published in "The Journal of the American Medical Association," the long-term exposure to fine particulate matter combustion generated a risk for significant mortality cardiopulmoary cancer and lung cancer. A study in 2000 by Fredrik Nyberg and colleagues published in the journal "Epidemiology" concludes that the air pollution in urban areas increases the risk of lung cancer, and the emissions of motor vehicles can be particularly problematic.

From: <http://www.livestrong.com/article/176670-diseases-caused-by-air-pollution/>

### How to reduce air pollution levels?

#### Method 1 of 4: Rethinking Transportation

1. Question car culture (use carpooling )
2. take the bus, subway or train
3. Try walking or biking
4. If you do dirve, keep your car in good condition

#### Method 2 of 4: Changing Buying Habits

1. Become a maker
2. shop local
3. Go for less packaging
4. reuse, recycle and compost
5. Use environmentally safe paints and cleaning products whenever possible

#### Method 3 of 4: Conserving energy

1. Don't use your lights and appliances as often
2. rethink your heating and cooling habits
3. Don't take long hot showers or baths

#### Method 4 of 4: Getting involved

1. Educate yourself on air pollution
2. plant trees
3. Join a group working to fight air pollution

From: <http://www.wikihow.com/Take-Action-to-Reduce-Air-Pollution>