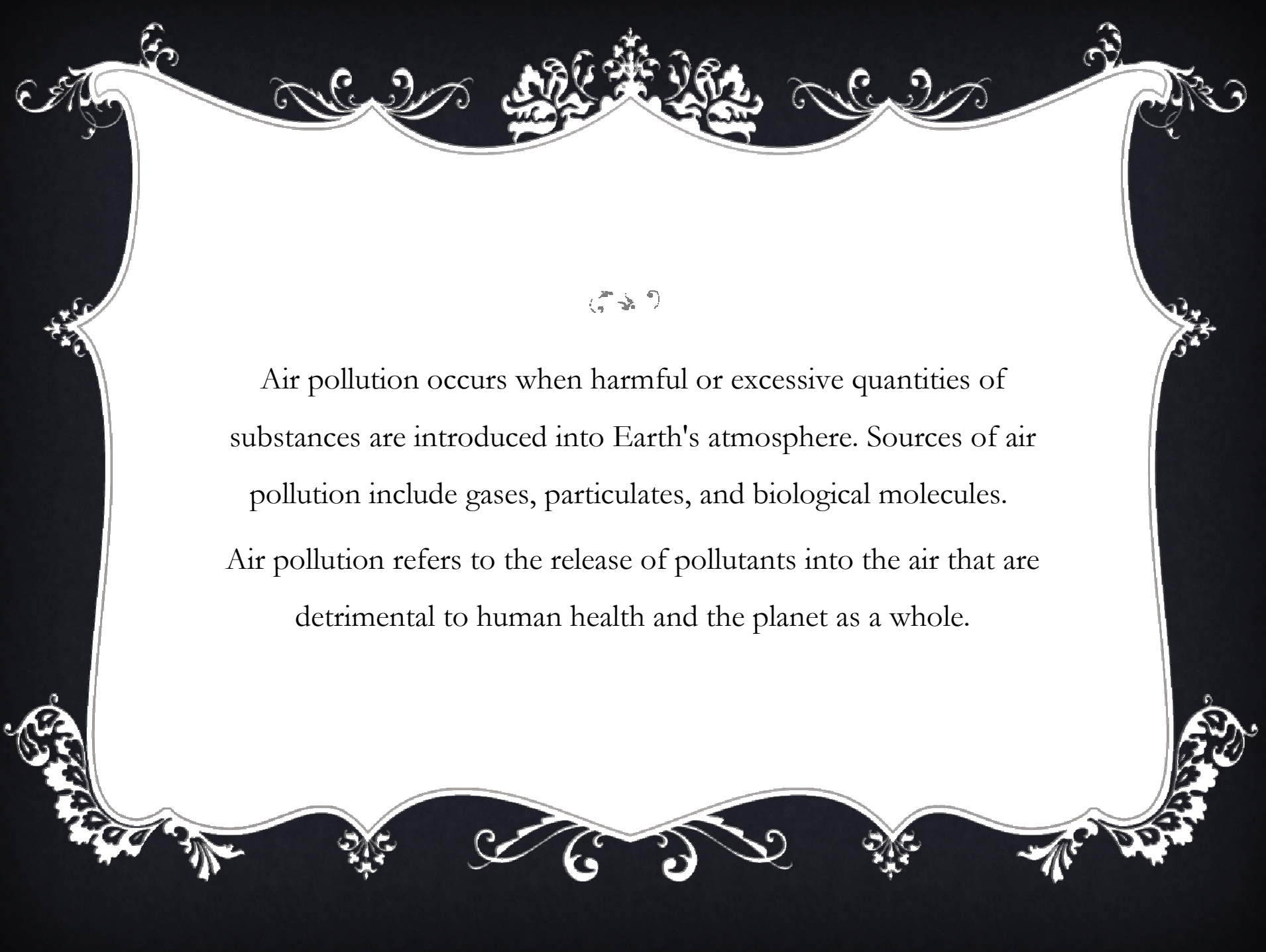




AIR POLLUTION AND HEALTH



Air pollution occurs when harmful or excessive quantities of substances are introduced into Earth's atmosphere. Sources of air pollution include gases, particulates, and biological molecules. Air pollution refers to the release of pollutants into the air that are detrimental to human health and the planet as a whole.

A decorative white floral border with intricate scrollwork and leaf patterns surrounds the central text on a black background.

PRIMARY AND SECONDARY POLLUTANTS

- ❖ A primary pollutant is an air pollutant emitted directly from a source. (car exhaust, smokestacks, toxic metals, particulate materials)
- ❖ A secondary pollutant is not directly emitted, but forms when other pollutants react in the atmosphere. Most important secondary level Air Pollutants are Ground Level Ozone, Smog and POPs (Persistent Organic Pollutants).

CAUSES OF AIR POLLUTION:

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- ❖ **Burning of Fossil Fuels**
- ❖ **Automobiles**
- ❖ **Agricultural Activities**
- ❖ **Factories and Industries**
- ❖ **Mining Activities**
- ❖ **Domestic Sources**




EFFECTS OF AIR POLLUTION

- ❖ Diseases
- ❖ Global Warming
- ❖ Acid Rain
- ❖ Ozone Layer Depletion
- ❖ Effect on Animals



AIR POLLUTION CONTROL

- ❖ **Avoid Using Vehicles**
- ❖ **Energy Conservation**
- ❖ **Use of Energy efficient appliances**
- ❖ **Shifting industries**
- ❖ **Using Modern Techniques**
- ❖ **Shifting to Natural Gasses**



Diseases caused by air pollutants kill and hospitalize millions of people every year.

Estimates by the World Health Organization imply that one out of every eight deaths in the world is due to conditions associated with air pollution. New research has established stronger links between both outdoor and indoor air pollution and the development of respiratory and cardiovascular diseases. The most common diseases caused by air pollution include ischemic heart disease, stroke, chronic obstructive pulmonary disease (COPD), lung cancer and acute lower respiratory infections in children.