

## Environmental pollution

**Environmental pollution** is a negative/unwanted change in the environment, usually the addition of something dangerous or harmful.

**Pollution** defines as addition of unwanted material into the environment as a result of natural or human activities.

**Pollutants** define as a physical, chemical or biological substance accidentally released into the environment.

### Components of the environment

The environment generally consists of two components:

non-living or physical and living or biological components.

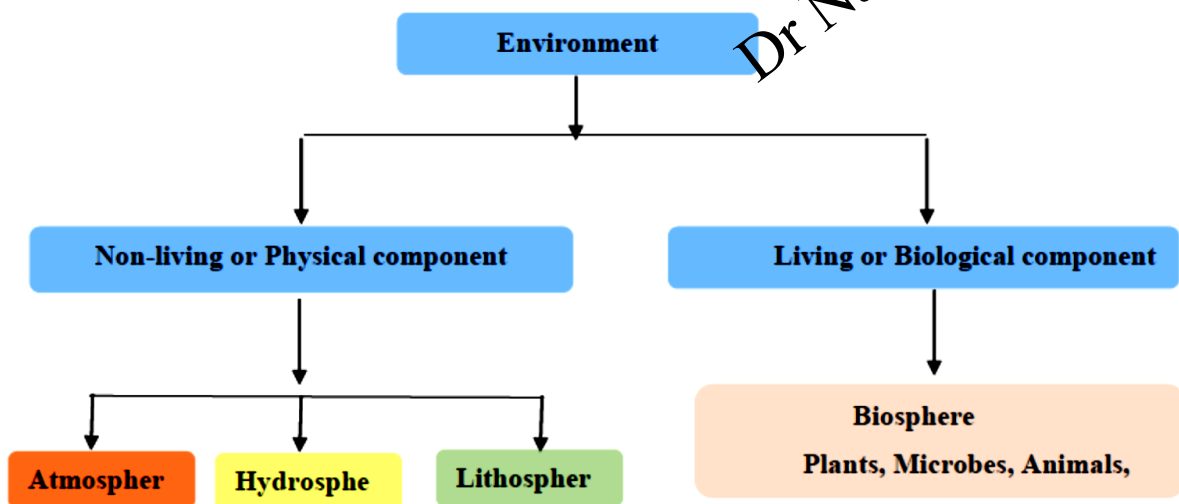


Figure 1. Components of the environment

## Types of pollution

Air pollution

Noise pollution

Water pollution

Soil pollution

Radiation pollution

Dr Nadia Mahmoud

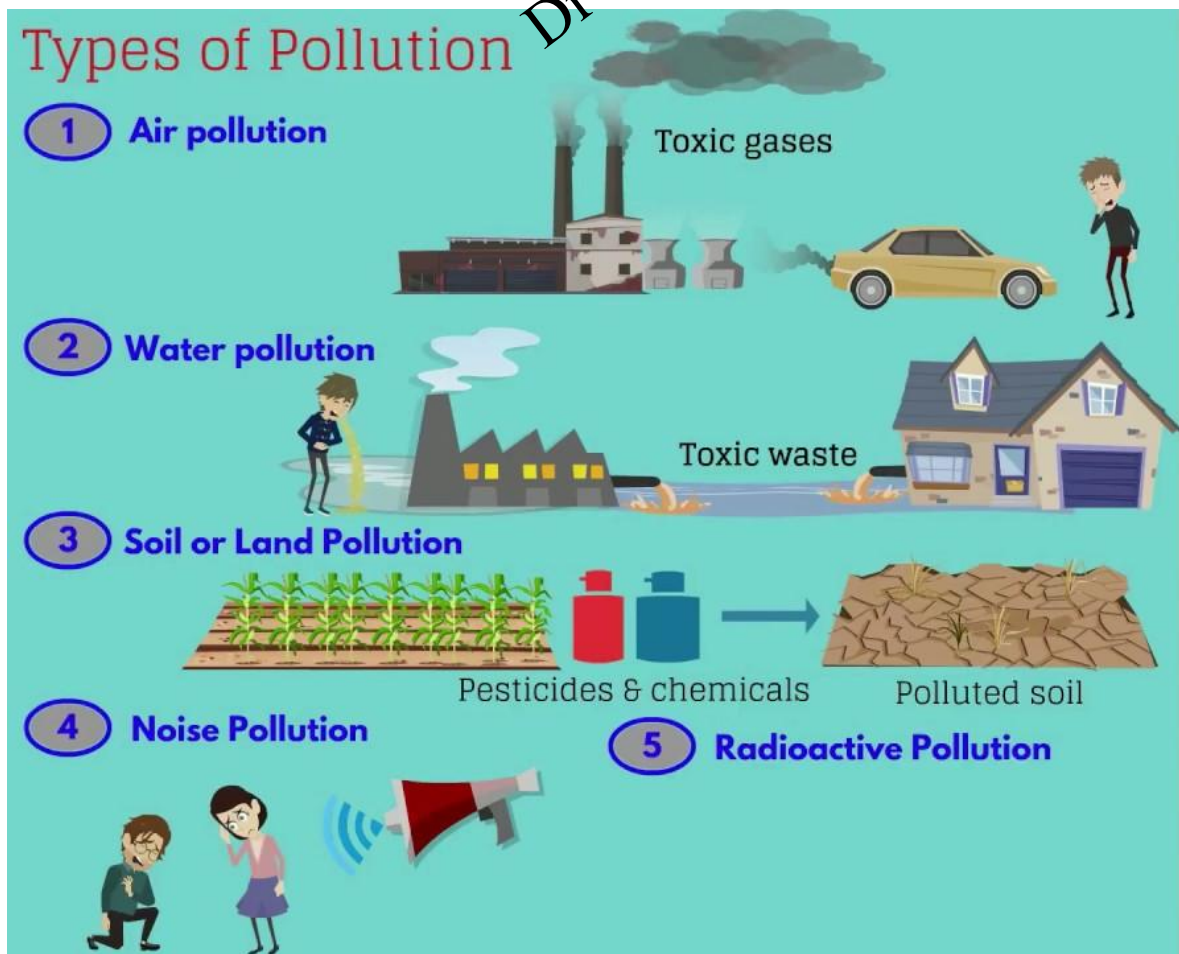


Figure 2. Types of pollution.

## Air Pollution

Air pollution can be defined as 'Atmospheric condition in which substances is present at concentrations higher than their normal ambient levels to produce significant effects on humans, animals, vegetation or materials'

## Air composition

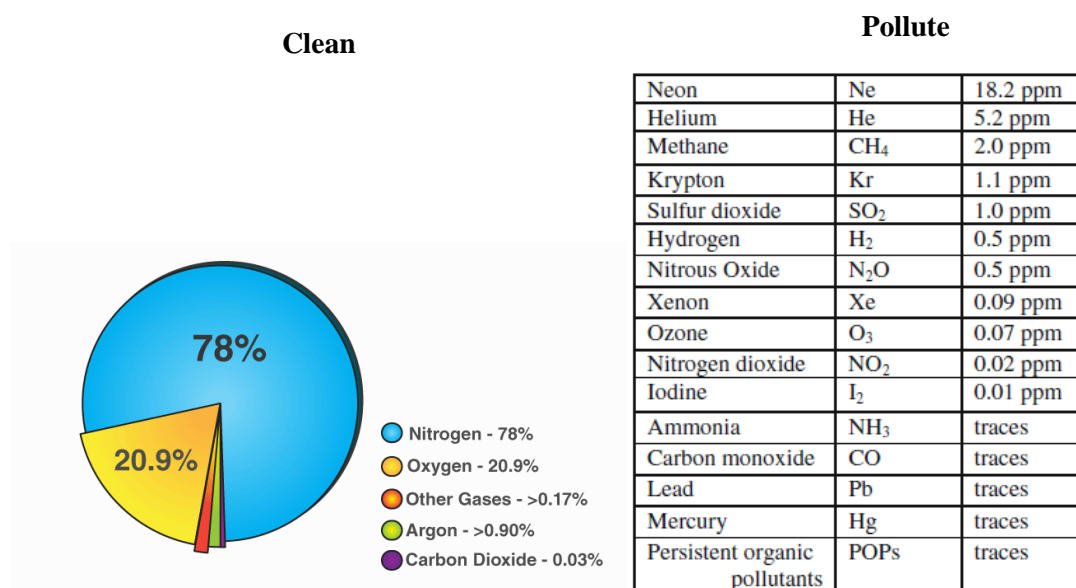


Figure 1. Comparison in the air composition between clean and polluted air.

### Source of Air pollution in **urban** areas

1. Traffic
2. waste
3. Industries
4. Commercial activity

Dr Nadia Mahmoud

### Source of Air pollution in **rural** areas

1. Burning in fields
2. waste

## **Major Issues of Air Pollution**

1. Acid Rain
2. Global Warming and Climate Change
3. Ozone Layer Depletion
4. Atmospheric Brown Cloud
5. Impact on Flora and Fauna
6. Impact on Crop Yield
7. Impact on Material
8. Impact on Human Health
9. Black Snow and Muddy Snow
10. Water Pollution
11. Soil Pollution
12. Loss of Economy
13. Visibility

*Dr Nadia Mahmoud*

## **Types of Air Pollutants**

1. Natural Air Pollutants

Natural activity: volcano, wild fire, soil re-suspension, lightening, etc.

2. Anthropogenic Air Pollutants

Motor vehicles, coal combustion, gasoline(petrol) and waste.