According to Environment protection Act (1986), Environment is defined as:

“The Sum total of water, air and land and the inter-relationships that exist among them and with the human beings, other living organisms and materials”

Thus, the term Environment includes all the physical and biological surrounding of an organism along with their interactions

**Environment Pollution: Any undesirable change in physical, chemical or biological characteristics of any component of the environment (Air, water, soil) which can cause harmful effects on various form of life or property**

**Types of Environmental Pollution**

* **Air pollution**
* **Water pollution**
* **Noise pollution**
* **Soil pollution**
* **Thermal pollution**
* **Light pollution etc**

**Pollution is defined as: “The deterioration in quality of natural resources such as air, water and soil because of the presence of unwanted substances beyond the certain limit and in turn have a harmful effects on plants, animals and human population”**

* **Pollutant is defined as :**

**“Any solid, liquid or gaseous substances present in such concentration as they may tend to be injurious to the environment”**

**“The substances which causes pollution”**

**The pollution causing agent”**

**“The substances which has the ability to pollute the environment, causing harmful effects and damaging nature in general”**

**Air Pollution is defined as**:

‘The atmospheric condition in which certain substances are present in concentration which can cause undesirable effects on man and his environment’

* Air pollution is often not visible to the naked eye
* They can become visible in some form
* Examples: Sooty smoke from the open burning of crop residues / petrol and diesel
* **The fact that you cannot see the air pollution does not mean that it does not exist**
* Pollutants can be in the form:

- Gases pollutants:

Example: Carbon monoxide, Sulphur Dioxide, Nitrogen Dioxide

- Particulate pollutants:

Example: Smoke, Dust, Fumes, Soot, Pollen Grain

**Classification of Air Pollutants**

1. Primary Pollutant : - directly from source

Example: Carbon monoxide, Oxides of Nitrogen

Oxides of sulphur

Hydrocarbons

2. Secondary Pollutant - interaction of primary pollutant with other primary pollutant(s) or with some natural constituent of atmosphere

Example: Ozone

Peroxyacetyl nitrate (PAN)

Photochochemical Smog