



# ENVIRONMENTAL POLLUTION

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# POLLUTION

*pollution, also called environmental pollution, the addition of any substance (solid, liquid, or gas) or any form of energy (such as heat, sound, or radioactivity) to the environment at a rate faster than it can be dispersed, diluted, decomposed, recycled, or stored in some harmless form. The major kinds of pollution, usually classified by environment, are air pollution, water pollution, and land pollution.*



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**TYPES OF  
POLLUTIONS**

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**CAUSES,EFFECTS  
AND  
PREVENTIVE  
MEASURES OF  
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**SOLID,HAZARDOUS  
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PROTECTION AND  
ACTS**

# TYPES OF POLLUTION



WATER  
POLLUTION



AIR  
POLLUTION



SOIL  
POLLUTION



NOISE  
POLLUTION





# WATER

# POLLUTION



# WATER POLLUTION

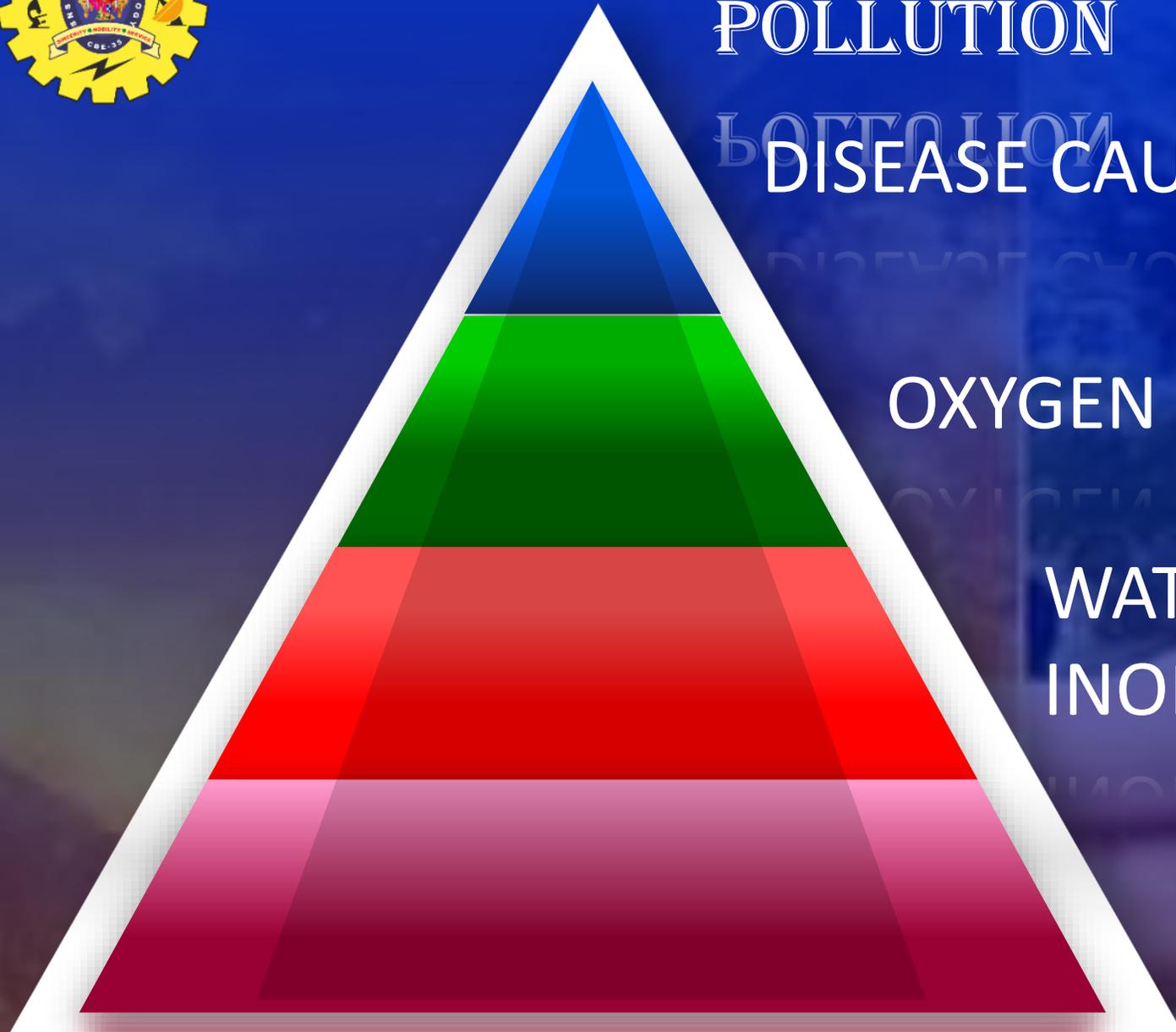


## DEFINITION :

The undesirable biological or chemical substance present in water which adversely affect living organism is referred as water pollution.



# CAUSES AND EFFECTS OF WATER POLLUTION



DISEASE CAUSING AGENTS

OXYGEN DEPLETING WASTE

WATER SOLUBLE  
INORGANIC CHEMICALS

SUSPENDED SOLIDS



## DISEASE CAUSING AGENT:

The micro-organism include bacteria ,virus, protozoa, if present in drinking water causes disease.



# OXYGEN DEPLETING WASTE :



Organic matters present in water are degraded by micro-organism present in water which required oxygen . If large amount of organic matter present in waste water then large amount of oxygen is required by the micro-organism to degrade the waste . Therefore oxygen content in water decrease. The amount of oxygen consumed by micro-organism is referred as Biological Oxygen Demand (BOD) . High level of BOD means large amount of waste present in water



# WATER SOLUBLE INORGANIC CHEMICALS :

The elements like lead , mercury , cadmium and arsenic adversely affect the human beings and animals. For example, cadmium causes **itai – itai** disease , mercury causes **minamata** disease.



## SUSPENDED SOLIDS :

If suspended solids present in water bodies , then water become turbid and therefore proper sunlight does not reach to the aquatic plant and animal which disturb the life of aquatic ecosystem



# PREVENTIVE MEASURES OF WATER POLLUTION



- Proper disposal of toxic chemicals :

Chemicals like pesticides , bleach , paint , ammonia etc should be avoided to dispose in the water bodies.

- Proper disposal of medical waste :

Disposal of medical waste in the water bodies leads to various health – related disorders for aquatic organisms .

- Use environmentally household products.
- Don't throw the non degradable substances to rivers , lakes or oceans .

