

## A Short Note on Water Pollution and Prevention

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### SHORT COMMUNICATION

As you already know water is everywhere and everyone around. However, we've a hard and fast amount of water on earth. It just changes its states and goes through a cyclic order, referred to as the Water Cycle. The water cycle may be a natural action that's continuous in nature. it's the pattern during which the water from oceans, seas, lakes, etc gets evaporated and turns to vapor. After which it goes through the method of condensation, and eventually precipitation when it falls back to earth as rain or snow.

Water pollution is that the contamination of water bodies (like oceans, seas, lakes, rivers, aquifers, and groundwater) usually caused thanks to human activities. pollution is any change, minor or major within the physical, chemical or biological properties of water that eventually results in a detrimental consequence of any living organism. Beverage, called Potable Water, is taken into account safe enough for human and animal consumption.

Sources of pollution

Domestic Waste

Industrial effluents

Insecticides and pesticides

Detergents and Fertilizers

Some of the water pollutions are caused by direct Sources, like factories, waste management facilities, refineries, etc, that directly releases waste and dangerous by-products into the closest water source without treating them. Indirect sources include pollutants that infuse within the water bodies via groundwater or soil or via the atmosphere through acidic rain.

### Effects of Pollution of Water

#### The effects of pollution are:

Diseases: In humans, drinking or consuming polluted water in any way has many disastrous effects on our health. It causes typhoid, cholera, hepatitis and various other diseases.

Eradication of Ecosystem: Ecosystem is extremely dynamic and responds to even small changes within the environment. Increasing pollution can cause a whole ecosystem to collapse if left unchecked.

Eutrophication: Chemicals accumulation and infusion during a water body, encourages the expansion of algae. The algae form a layer on top of the pond or lake. Bacteria prey on these algae and this event decreases the quantity of oxygen within the water body, severely affecting the aquatic life there

Effects of the organic phenomenon: Turmoil in food chain happens when the aquatic animals (fish, prawns, seahorse, etc) consume the toxins and pollutants within the water, then the humans consume them.

### Prevention of pollution

The best thanks to prevent large-scale pollution is to undertake and reduce its harmful effects. There are numerous small changes we will make to guard ourselves from a future where water is scarce.

Conserve Water: Conserving water should be our first aim. Water wastage may be a major problem globally and that we are only now awakening to the difficulty. Simple small changes made domestically will make an enormous difference.

Treatment of sewage: Treating waste products before removing it in water bodies helps reduce pollution on an outsized scale. Agriculture or other industries can reuse this wastewater by reducing its toxic contents.

Use of environment-friendly products: By using soluble products that don't continue to become pollutants, we will reduce the quantity of pollution caused by a household.

### Conclusion

Life is ultimately about choices then is pollution. We cannot accept sewage-strewn beaches, contaminated rivers, and fish that are poisonous to drink and eat. To avoid these scenarios, we will work together to stay the environment clean therefore the water bodies, plants, animals, and other people who depend upon it remain healthy. we will take individual or teamed action to assist reduce pollution. As an example, by using environmentally friendly detergents, not pouring oil down the drains, reducing the usage of pesticides, and so on. we will take community action too to stay our rivers and seas cleaner. and that we can take action as countries and continents to pass laws against pollution. Working together, we will make pollution less of a problem—and the planet a far better place.

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