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# CAUSES OF WATER POLLUTION

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# Introduction..

- Water pollution occurs when harmful substances often chemicals or microorganisms contaminate a stream, river, lake, ocean, aquifer, or other body of water, degrading water quality and rendering it toxic to humans or the environment.



# The main Causes of **water pollution**

## 2) Industrial Wastes:

The toxic chemicals leached from this waste can make the water unsafe for human consumption, and they can also cause the temperature in freshwater systems to change, making them dangerous for marine life.





### 3) Oil Spills:

Large oil spills and leaks are some of most significant causes of water pollution. These are often caused by oil drilling operations in the ocean.



### 4) Radioactive waste:

can persist in the environment for thousands of years, making disposal a major challenge and one of the most harmful water contaminants.

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## 5) Marine Dumping and Plastic Pollution in the Sea:

**Most items collected and dumped into oceans by many countries can take anywhere from two to 200 years to decompose completely! Other sources of waste at sea include plastic and other materials blown or washed from land.**





# The most common diseases caused by **water pollution**

## 1) Cholera:

Cholera is a waterborne disease impacting nearly 2.9 million individuals annually. It comes from the bacteria *Vibrio cholerae* and infects consumers' intestines. The main symptom of cholera is diarrhea, which causes additional deleterious effects



## 2) Typhoid Fever:

One common waterborne disease is typhoid fever. Nearly 17 million individuals contract the illness annually by consuming a pathogenic bacteria.

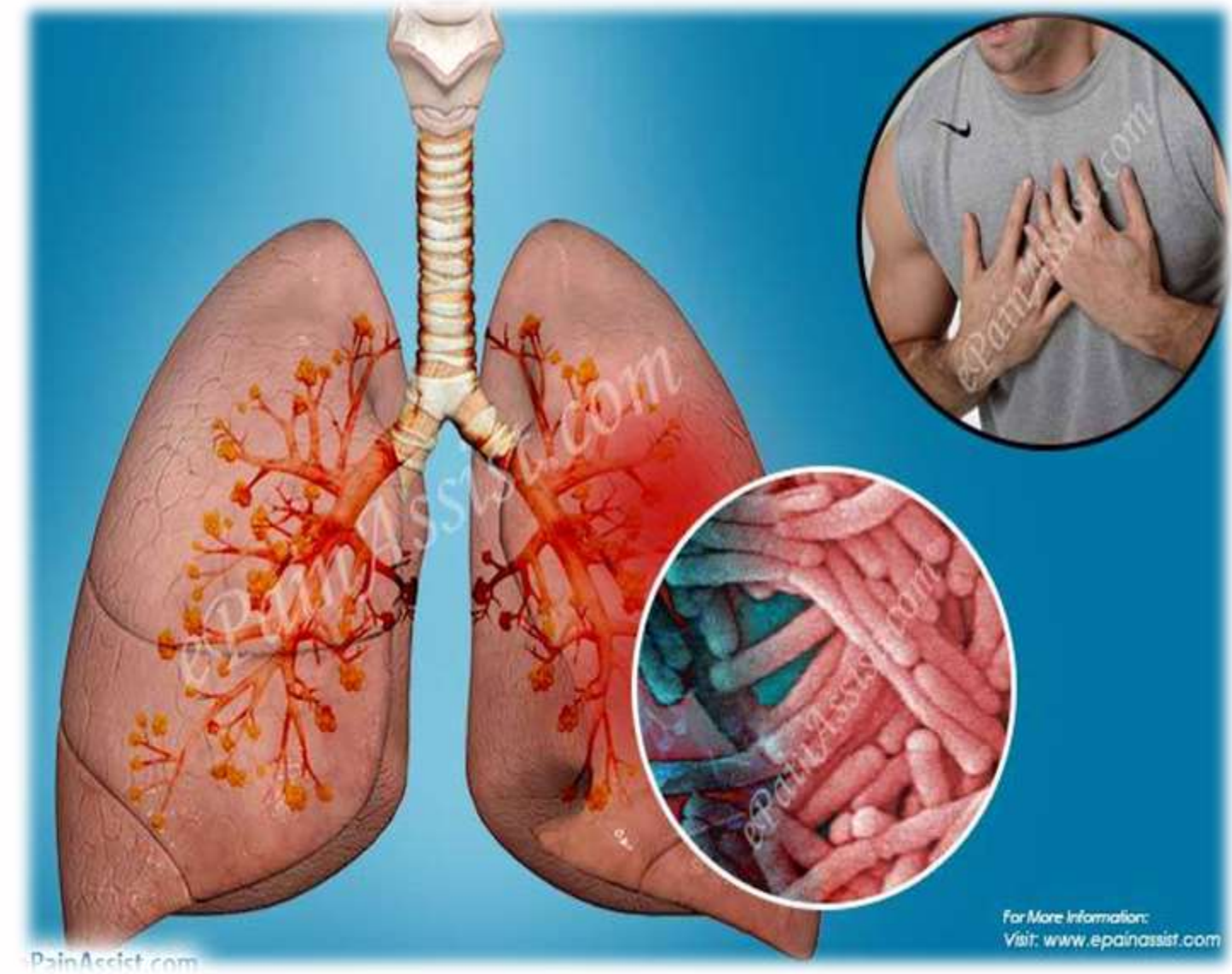
The bacteria plants itself in the individuals' intestines and bloodstream, causing adverse health effects.





### 3) Legionella:

Legionella is another global waterborne disease. The bacteria grow naturally in small quantities within natural water sources, like rivers and lakes,



# Summary :

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- The polluted water is a harmful substances often contaminate by chemicals or microorganisms.
- causes of water pollution include :industrial waste ,oil spills, radioactive waste and moreover...
- Polluted water can cause several types of diseases such as cholera, legionella, typhoid fever.





# References:

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- <https://www.nrdc.org/stories/water-pollution-everything-you-need-know>
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**Thanks !**

