



# Concerns of Water Pollution!

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## Introduction

We are all concerned about our planet so we are going to stop this RIGHT NOW! Here are some things that will help stop pollution. Just think of all the animals in need of the oil off of them, wouldn't that feel good! Now here is a few things that will help stop this polluting planet.

Water pollution is toxic that is in the water killing the sea life! Pollution is made up from garbage and other really toxic chemicals. Surface waters are the natural water resources of the Earth. They are found on the exterior of the Earth's crust and include: Oceans, Rivers, Lakes. These waters can become polluted in a numbers of ways, this is called Surface Water Pollution.



<http://www.flickr.com/photos/thoth-god/4078908973/sizes/m/in/photostream/>  
Point-source water pollution, Unknown location Indiana Dunes epa.org

A lot of the Earth's water is found underground in soil or under rock structures called aquifer. Aquifer is rocks that help supply wells. Humans often use aquifers as a means to obtain drinking water, and build wells to access it. When this water becomes polluted it is called Ground Water Pollution. Groundwater pollution is often caused by pesticide contamination from the soil, this can infect our drinking water and cause huge problems. Microbiological water pollution is usually a natural form of water pollution caused by microorganisms. Many types of microorganisms live in water and cause fish, land animals and humans to become ill. Microorganisms such as: Bacteria. Viruses these diseases are really serious diseases such as cholera come from microorganisms that live in water.



[http://commons.wikimedia.org/wiki/File:Rio\\_Tinto\\_water,\\_pH\\_2,2.jpg](http://commons.wikimedia.org/wiki/File:Rio_Tinto_water,_pH_2,2.jpg)

By [montuno](#) Antonio

The acidic waters of Rio Tinto, although they seem incapable of supporting life, provide shelter for some microorganisms that consume oxygen. These bacteria are the triggers of the color of these waters.

These diseases usually affect the health of people in poor countries, as they do not have the facilities to treat polluted water. Industrial and agricultural work involves the use of many different chemicals that can run-off into water and pollute it. Metals and solvents from industrial work can pollute rivers and lakes. These are poisonous to many forms of aquatic life and may slow their development, make them infertile or even result in death. Pesticides are used in farming to control weeds, insects and fungi. Run-offs of these pesticides can cause water pollution and poison aquatic life. Subsequently, birds, humans and other animals may be poisoned if they eat infected fish. Petroleum is another form of chemical pollutant that usually contaminates water through oil spills when a ship ruptures. Oil spills usually have only a localised affect on wildlife but

can spread for miles. The oil can cause the death of many fish and stick to the feathers of seabirds causing them to lose the ability to fly. Microorganisms that live in water feed on biodegradable substances. When too much biodegradable material is added to water, the number of microorganisms increase and use up the available oxygen. This is called Oxygen Depletion. When oxygen levels in the water are depleted, relatively harmless aerobic microorganisms die and anaerobic microorganisms begin to thrive.

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### Types

There are 9 types of water pollution and here they are: ground water pollution is the first one then there is surface water pollution then there is microbiological pollution, oxygen pollution, nutrients pollution, suspended matter and chemical pollution, here are the 9 types of water pollution.



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The consequences of water pollution are living animals getting killed and our environment is getting polluted by garbage, chemicals going into our oceans and all the animals are dying because of that. So we need to stop that before it's too late!

(Have people in your community help stop this or all fish will die !!!)

What we can improve the water pollution the world needs to pick up garbage and start to take care of the animals, we can also start to car pool, it will help stop air pollution.

Well, the actions we can take to help the environment, we can start to pick up litter and turn off tap water when its not use, another thing is watch what you are throwing down your toilets like oils, paints and other types of litter.

Nitrates is a chemical, it is found in most fertilizers. How nitrates get into our water system is found by most fertilizers and in ponds and probably other water sources, it can be found by pastures and livestock. When it rains sometimes the nitrate water will seek into ponds. (- [That's true. by Mr. Gonzalez](#))

High nitrates effect on people, it is really bad for your health because if you are a baby you would get Methemoglobinemia or Blue Baby Syndrome. Its a disease. If you are a baby under 6 months it would affect the blood in the

human body. It is also bad for pregnant women and adults will reduce stomach acid. Some other symptoms are Headaches, dizziness, weakness and breathing difficulties. Diets are affected, and it comes off of dry vegetables. High nitrates on people would be 10mg/l. A reasonable amount of nitrates in your drinking water would be at least 3mg/l. If nitrates get in to your drinking water you can do this at home: boil the water. You boil the water for 30 minutes or even how long it takes to show up. Then take a coffee dispenser and dump it out. Also you can get the water and put it over the fire so the nitrates can evaporate.