

Introduction were so
much big that it



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INTRODUCTION : Water pollution has been one of the great disastrous things that has been going on around us. Pollution means adding substances to the environment that don't belong there—like the water pollution from this smokestack.

GOEL P. K. (2006) defined that Pollution is not always as obvious as this, however Water is known to be a universal solvent and an important means that various substances can get added to water and remain completely or partially dissolved or at times even undissolved. Water pollution is the result of changes in its substantial quality and these changes can occur due to both natural and also with the consequence of one or more activities by humans. In Scientific Aspects of Marine Environmental Protection (1972) a group of experts says that the introduction by man, directly or indirectly, of substances or energy into the marine environment that can result in such deleterious effects that can bring to living resources, hazards to the health of human, hindrance to marine activities, that includes fishing, impairment of quality for use of sea water and reduction of amenities. Fortunately although this much pollution is going on this earth and the earth is always forgiving us for this kind of actions. We know that pollution is a human problem because it is a relatively recent development in the earth's history: before the 19th century Industrial Revolution, people used to live more in harmony with the environment around them.

As the wind of industrialization has spread over the whole world, the problem of pollution has spread rapidly along with it. When the Earth's population was not so high, no one believed that pollution can create such serious problems

for us. It was once heavily believed by all that the oceans were so much big that it can never be polluted.

Today, with around 7 billion people on the planet, it has become clear that it is very possible to pollute this large ocean by human. Pollution is one of the signs that humans have exceeded those limits. And this exceeding of limitation will not bring any good for the human. Human are bringing a great disaster for themselves by this pollution. ADVERSE AFFECT : To understand about the water pollution and its aspects it is obvious to know about the types of water sources that we can find on this earth. The first source that we find here are the river, ocean, lakes etc. This water are the sources of surface water.

This are the mostly polluted water source on this earth. There is another source that we can find is the ground water. Koplin(1997) identified that aquifers feed our rivers and supply much of the water that we drink. This can become polluted as well, for example, when weed killers are used in people's gardens drain into the ground by the owners. Groundwater pollution became much less obvious than surface-water pollution, but is not less of a problem. In 1996, a study in Iowa in the United States came to conclude that over half of the state's groundwater wells were contaminated with weed killers.

There are two different ways in which the water is being polluted. The ways are Point source pollution and the non point source pollution. When the pollution comes from a single location, it is known as point-source pollution. A great deal of water pollution also can happen not only from one single source but from many different scattered sources. This is called non point-

source pollution. The water around us on this earth can't be polluted by itself. It is human who are polluting the water.

The most common cause of water pollution are the industries around us. Since the industrialization the growth of industries and more sophisticated mechanism which are used for more productivity are causing this water pollution in a great extent. The most of the pole on this planet are always disposing these sewage in this water.

This always increasing peoples sewage are a great source that are causing this pollution. According to the World Health Organization, (2017) some of 663 million people (9 percent of the world's population) don't find the access to safe drinking water, while 2.4 billion (40 percent of the world's population) don't find the safe and proper sanitation system; although there have been great improvements in securing access to clean water, relatively this little progress has been made on improving global sanitation in the last decade which could not make so big impact.

Sewage disposal affects an environment around people and leads to water-related diseases for example diarrhea that kills 525,000 children under five each year. Another causes that we can see with the increase of agricultural revolution is the fertilizers and insecticides. This fertilizers are being used by the farmers and this gets washed away with the rain to the nearer river lake ponds etc. factories are increasingly polluting the water since it was started by the mankind. They are basically wasting the pure water for their actions and turning them into waste after using.

The Clean Watershed Needs Survey Report (2012) In the United States alone, around 400,000 factories take clean water from rivers, and they pump polluted waters back from where they took it from. However, there have been major improvements done in waste water treatment recently. Since 1970, in the United States, the Environmental Protection Agency (EPA) has invested about \$70 billion in improving water treatment plants that, as of 2015, in order to serve around 88 percent of the US population (compared to just 69 percent in 1972). However, another \$271 billion in the system are still waiting to be updated and upgraded. The industries are always throwing their chemical wastes to the water. This chemical waste is creating a great concern for us as this chemical waste can be deadly.

Along with this we can find many radio active wastes are as well thrown by these organizations. Most of this radio active waste comes from the nuclear power plants. Brown (1997) has found in his research that countries such as Norway, which lie at the downstream from Britain, receives significant doses of radioactive pollution from all the Sellafield. The Norwegian government has repeatedly complained to them that the radiation level of the Sellafield has increased along its coast by 6-10 times. Both the Irish and Norwegian governments now continue to pressure them to close these plants. Michael (2007) gave his opinion on the water pollution that ships are one of the means of transport in the sea route.

These ships are always throwing the oil wastes to the ocean. From the research we can find that only 12 percent of the oil that enters the oceans comes from the accidents that take place. Here the source of over 70 percent of oil pollution at sea are from the routine shipping and from the oil that people

pour down drains onland. Heater thermal pollution from factories and power plants also causes problems in rivers.

By raising the temperature, it reduces the amount of oxygen dissolved in the water, thus also reducing the level of aquatic life that the river can support.

CONTROLLING THE RISK: As we can see the sources and how the water is being polluted we can know how this can effect the world. With the pollution the rate of pure drinking water is decreasing rapidly. Many people are getting sick due to drinking this water. The ecological system are being harmed by this as the species living water are dying. Because of the water pollution many different kinds of fishes which we used to find in past are not found today. It can poison shellfish that grow near the shore. People who eat poisoned shellfish risk suffering from an acute—and sometimes fatal—illness called paralytic shellfish poisoning.

The natural beauty of beaches are decreasing as the waste oil from ships are washed away from these beaches. People who bathe or surf in the water can fall ill if they swallow polluted water. Pollution matters because it harms the environment on which people depend. The environment is not something distant and separate from our lives. It's not a pretty shoreline hundreds of miles from our homes or a wilderness landscape that we see only on TV. The environment is everything that surrounds us that gives us life and health. Destroying the environment ultimately reduces the quality of our own lives—and that, most selfishly, is why pollution should matter to all of us.

As the increase in the rate of water pollution many people believe that it can't be stopped. But some people think this can't be stopped but it can be

controlled. To live longer in this world and to give ourselves and future generations a safe life we should be aware of this pollution and we should try to control this pollution. It is true that in this world it is not so easy to control. We saw that most of the pollution are done by the industries. This industries has become a part of our life. So it can't be reduced or stopped overnight. To reduce the pollution the first step has to be the increase of education about environment.

People has to be educated on the bad effect that can be come upon us due to the water pollution. They has to be taught how to work against and how to reduce the pollution. The scientist can make some research on this about how to decrease the rate or how to purify more water than before. It will be worthy to purify the water as we can't stop the industries.

The government of every country has to come forward as well. There has to be some laws to be made upon this. Government has to look upon the industries. There has to be some monitoring on them so that the industries can't throw the wastes. There has to be penalties upon throwing too much waste to the water.

The industries must try to recycle the waste rather than throwing them into the water. Environmental laws can make it tougher for people to pollute, but to be really effective they have to operate across national and international borders. This is why we have international laws governing the oceans, such as the 1982 UN Convention on the Law of the Sea (signed by over 120 nations), the 1972 London (Dumping) Convention, the 1978 MARPOL International Convention for the Prevention of Pollution from Ships, and the

1998 OSPAR Convention for the Protection of the Marine Environment of the North East Atlantic. Many environmental researchers say that it would be better to tackle the pollution by the polluter pays principle.

Basically this term says that anyone or any organization that do any pollution to the environment will have to take responsibility for this waste. Actually he has to pay for cleaning this waste. For example we can say the shipping corporation has to pay when they throw the oil waste to the ocean. This kind of steps are taken by the governments so the organizations take measure to recycle the waste rather than throwing it into the water. CONCLUSION: Life is full of choices.

Here in this we can live with a polluted environment where we are always within the risk of our lives. As we know we can never live a happy and healthy peaceful life with pollution around us. It is our responsibility to create and keep a better world. If not for us we must do it for the future generations. And to do this all of us has to come along.

Because no one can do it alone. It is not the responsibility of the government alone as well. It is everyone's responsibility. And we can't skip this. We can take individual action to help reduce water pollution, for example, by using environmentally friendly detergents, not pouring oil down drains, reducing pesticides, and so on. We can take community action too, by helping out on beach cleans or litter picks to keep our rivers and seas that little bit cleaner.

And we can take action as countries and continents to pass laws that will make pollution harder and the world less polluted. Working together, we can make pollution less of a problem and the world a better place

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