



Be part of the SOLUTION, not part of the
POLLUTION

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Introduction:

In this zine we are mainly providing information about Pollution and how it's affecting the air, water, and the health risks on humans. Pollution has been challenging due to effects it has on our entire ecosystem, making life difficult for humans, plants, and animals. In this zine we are also going to be providing information on how we can come up with solutions to fix this problem, which has been getting worse.



EST 11/11/11

What is water pollution?

Water pollution is the presence in groundwater of toxic chemicals and biological agents that exceed what is naturally found in the water and may pose a threat to human health and/or the environment. Pollution has affected the ocean and the wild sea animals that live there. Rising water temperature can cause coral bleaching, which can impact the coral reef ecosystem, and that is home to most of the oceans biodiversity. Pollution can cause the red tide (algal blooms) "Coastal pollution from human sewage, agricultural runoff, and other sources contributes to red tides, along with rising ocean temperatures." meaning this is really harmful for humans and the sea animals. Some of the ocean pollution that we can see is floating plastic, oil spills, and trash. Plastic is one of the most common ocean pollutants. It doesn't break down rapidly, so dolphins and other marine life often eats it after mistaking it for food.





How can we help to fix this problem?
Well some ways we could help is by not dumping waste into rivers. This includes both solid and liquid waste. Waste contains many materials with harmful chemicals that could contaminate the quality of the water in the river. The more waste there is in the rivers, the more toxic the water becomes. One of the other ways we could help is by donating to those organizations who are actually willing to step up and work on solving the problem. By donating we are getting closer and closer to the change the organization is going to bring. Oceana and Oceanwide are two of the reliable organizations who are here to help the ocean and the wildlife, by donating you are protecting the water and the marine life.

MCH-1

What is Air pollution?

Air pollution, or the contamination of the atmosphere with harmful substances, is generated from both natural and human-made sources.

Natural sources of air pollution include gases, pollen from plants, and dust. This results in the addition of usage of all these things. This is a big problem.

<http://eds.a.ebscohost.com/eds/detail/detail?vid=1&sid=b1c7af1d-9b2d-4845-9e5f-6ace9c1b841d%40sessionmgr4007&bdata=JkF1dGhUeXBIPWNvb2tpZSxucCxicGlkNmN1c3RpZD1zc2Mmc210ZT1lZHMtbGl2ZSzyY29wZT1zaXRI#AN=88952971&db=eis>



How Can we stop/change air pollution?

Since air pollution is a major problem in today's society there are many ways we can help stop the spread of it. Some key tips are to make sure you don't spill any gas or oil when filling your car or any other machinery that takes this. Another is to always turn off your lights whenever you don't need them to save power and energy. The best way to stop air from getting polluted is to drive less so no oil or gases go into our air. These are key ways to help stop the spread of polluting our air.

<https://www.des.nh.gov/organization/divisions/air/tsb/ams/aqmdp/share.htm>



NOVA

Climate change is a fast paced long-term societal issue that is increasing health risks as well as endangering society. With the increase of air pollution we can see a severe change in the weather with it turning into some extreme storms and even temperatures. Higher temperatures worsen and increase the frequency of many types of disasters: storms, floods, heat waves and even droughts. These events can have lots of devastating effects on us due to its ability to put a threat on the water we drink, damaging property, polluting the air and so much more. Furthermore, according to the World Health Organization "climate change is expected to cause approximately 250,000 additional deaths per year" which is a scary high number and exactly a reason on why we should take action.



However; not only does climate change affect our health but it also just puts our lives in danger. With the Arctic melting at twice the rate we see the ice melting and causing sea levels to rise at an unstoppable rate. The oceans are tracked to rise 1-4 feet by the year 2100 which threatens local ecosystems and can even put cities under water completely wiping out the population. More so, the ocean consumes most of the fossil fuel emissions we put into the air each day. This causes the oceans waters to become more acidic causing them to be unsafe for people to swim in. So let's think about how we "love" the earth yet we destroy it. Take into consideration that we could lose the world that we live in if we don't take action.



There are many ways for us to help reduce the amount of air pollution that we put into the air every day. First off, we can start by reducing the amount of trips we take in our car by either walking, biking or taking the train. This can help reduce the amount of carbon dioxide that gets emitted into the atmosphere. Currently, there are "412 parts per million... represents a 47% increase since the Industrial Age and an 11% increase since 2000". One gallon of gas can also create 20 pounds of carbon dioxide which is a shocking number. So without reducing our car usage and using more green house gases eliminating the surplus of carbon dioxide we emit into the air we will be destroyed by rising sea levels by 2050.

ESNMITH:

How does it relate to me?

This problem relates to me and every human being. The effect water pollution is going to have is on my health, by having issues like diarrhea, cholera, stomach infection, and typhoid. One of the daily life routines this problem could change is not being able to go to the beach or even a lake, because of the red tides that will be occurring due to water pollution.

MAH. A:

Climate change can really affect me personally because I am allergic to pollen. Since getting rid of the female trees and replanting them with males, they have begun to produce pollen as well. This can greatly affect me because I was once sent to the hospital due to pollen. However; not only can I be affected but so can my grandparents that live down in Florida. With the tides rising due to pollution their house could be destroyed and their lives would be put in jeopardy.

MAH. A:

How does this affect human health and how does it connect to me personally?

Personal connection- Air pollution has had a big affect on me when i was younger. My family took a vacation to Jamaica and we headed downtown for dinner but we were stopped before we hit the town because there was a bunch of smoke going throughout the streets so we weren't allowed to do what we wanted. Also my dad's side of the family smokes cigarettes so that's bad for air quality and for me to be around cause it can have an affect on my lungs.

We need something to stop all this pollution from spreading throughout the air.

People all around the world are affected each day.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5122104/>



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