

ES Assignment

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- Beyond the Science : Environmental Problems

In this video Paul K. Doss talks about the environmental problems and cultural solutions. He starts talking about image of the Cuyahoga River on fire in northern Ohio which became an icon of sorts of the environmental movement they caught fire 15 times by 1969 after that in the first Earth Day which was in 1970 some really great things happen for environmental protection, wherein the Congress passed the Clean Water Act the Safe Drinking Water Act, the Clean Air Act, the National Environmental Policy Act, the Endangered Species Act and many others they also established the Environmental Protection Agency all of that during a Republican administration those pieces of legislation did some great things for our environment and environmental protection but they picked what he might call the low-hanging fruit he further said, environmental problems facing humanity today are much more complicated much more complex and insidious than a burning River and their solution lies within our entrenched societal behavior that's the sum of all of our individual behaviors. Today with our environmental problems we're not going to solve

these problems until we face the biggest threat and that's us our behavior. He claims to feel very lucky to be involved in research along a nearly pristine trout stream the white river in Manistee National Forest in Michigan. plastic bottles of water 30 billion plastic bottles every year just in the United States we consume non-renewable fossil resources to manufacture and transport and distribute those bottle single serving plastic bottles generate any nor volume of waste the far majority of which is not recycled and extracting groundwater. for bottled water does pose very real threat to some aquatic resources the only reason that those problems originate is because we choose the drink water out of little plastic bottles we now have a thing called the Great Pacific Garbage Patch thousands of square miles between California and Hawaii where human debris is trapped in a jar of Airy large circular ocean current we might envision massive floating piles of garbage but it's actually much more insidious than that. concentrations of synthetic chemicals in streams of the United States the US Geological Survey detected these chemicals in 80 percent of the streams at it sampled in our country a third of the streams had 10 or more of these chemicals they're in low concentrations but scientifically we don't really know what that means we do

Know that they aren't removed by normal water treatment process. My comments on this would be it's worth noting that this current culture of overconsumption and earth damaging waste wasn't possible before the industrial revolution and the rise of "capitalism", but the culture of greed and selfishness, which began with the agricultural revolution, laid the mental groundwork for it. Conquering earth for profit became more important than living in harmony with nature. It's very sad to see how much humanity has truly regressed behaviorally. Especially when you listen to them talk about how technologically advanced they are.

The most developed countries have the main responsibility because they have enjoyed the natural resources more than others, and have the education and economic resources to make the change we all need. Save the planet is our responsibility but some have more options than others.

- 10 Major Current Environmental Problems:

There are 10 major causes for environmental problems

- Pollution

- Global warming
 - Overpopulation
 - Natural resource depletion
 - waste disposal
 - Climate change
 - Loss of biodiversity
 - Deforestation
 - Urban sprawl
 - Ozone layer depletion
- The disarming case to act right now on climate change - Greta Thunberg

Greta Thunberg learned the basic facts about climate change when she was just eight years old. She couldn't understand why humans, who depend on the health of the planet for their survival, were seemingly ignoring the problem. Why weren't the media treating it like a crisis? Why weren't people trying to change their behavior? Why weren't

governments passing laws to place restrictions on burning fossil fuels? At age 11, Thunberg became ill and depressed. She stopped eating and speaking. The doctors diagnosed her condition as "Asperger syndrome with OCD and selective mutism. Although she sometimes finds it hard to speak, she's found her voice to address the climate crisis.

16-year-old climate activist Greta Thunberg explains why, in August 2018, she walked out of school and organized a strike to raise awareness of global warming, protesting outside the Swedish parliament and grabbing the world's attention. "The climate crisis has already been solved. We already have all the facts and solutions," Thunberg says. "All we have to do is to wake up and change." one thing we need more than hope is action. Once we start to act, hope is everywhere. So instead of looking for hope, look for action. Then, and only then, hope will come. Today, we use 100 million barrels of oil every single day. There are no politics to change that. There are no rules to keep that oil in the ground. So we can't save the world by playing by the rules, because the rules have to be changed. Everything needs to change --and it has to start today.

- His Epic Message Will Make You Want to Save the World

As the human population continues to grow, so does our impact on the environment. In fact, recent research has shown that three-quarters of Earth's land surface is under pressure from human activity. In this short film, spoken word artist Prince Ea makes a powerful case for protecting the planet and challenges the human race to create a sustainable future.

We can save the world by:

Reduce, reuse, and recycle. Cut down on what you throw away.

- Volunteer. Volunteer for cleanups in your community.
- Educate.
- Conserve water.
- Choose sustainable.
- Shop wisely.
- Use long-lasting light bulbs.

- Plant a tree.