Pollution

Investigation 1

What is it? Stinky stuff, smoke, noise, trash and more.

Is anything that makes the earth dirty and unhealthy.

-Air -Water -Soil

When the air gets dirty. Caused by smoke from cars, industrial chemicals, wildfires, volcanoes, smoke released from industries burning fossil fuels.

Air pollution is also the reason of increase of global warming because of increasing atmospheric temperature due to the vast increasing level of greenhouse gases. Greenhouse gases effect forces glaciers to melt, sea levels to increase and climate to change.

Water pollution it´s the worst and most dangerous form of pollution. Is the contamination of water bodies. When dirty particles substances or chemicals that make water contaminated are discharged directly or indirectly into the water. Mainly by human causes/factors. Oil is also a big pollutan, when oil from the ship or other flows to the sea and affects the whole water

-lake leading of rocks

-decay of organic matters

-decay of dead matters

-silting

-soil erosion and it affects the population, the entire ecosystem that lives in the water.

Soil pollution: destruction of the earth land surfaces, caused by solid wastes and chemicals. Land is getting polluted through the toxic substances released by the use chemical fertilizers, insecticides, pesticides, industrial wastes and more. Also the radioactive pollutans ( nuclear reactors, explosions, hospitals ) go very deep into the soil and remain there for a long time, all the soil containment is getting mixed into the fertile land causing a variety of health disorders: Asthma, Respiratory illness, Bronchitis and even cancer.

Investigation 2

Pollution is anything that makes the earth unhealthy and dirty. According to “Pure Health” (a non-profit environmental organization), toxic pollution affects more than 200 million people worldwide. In some of the worlds more polluted places:

-Babies are born with birth defects.

-Life expentancy may be as low as 45 years (because of cancer or other disseases).

-Children have lost 30 to 40 IQ.

There are 3 types of pollution: air, soil and water.

But before explaining those to you let me tell you some facts that happen daily and are the cause of pollution:

* Americans generate 30 billion foam cups, 220 million tires and 1.8 billion disposable diapers every year, according to the “Greenhouse schools alliance”.
* According to the “WHO”, ambient air pollution contributes to 6.7%of all deaths worldwide.
* The 2 million cars in Manila, Phillipines cause 80% of air pollution.
* 75 000 people die in China prematurely due to air pollution.

Now, air pollution. Is when the air gets dirty, caused by smoke from cars, industrial chemicals, wildfires, volcanoes, smoke released from industries burning fossil fuels. Air pollution is also the reason of global warming because of increasing atmospheric temperature due to the vast increasing of greenhouse gasses.

The 2006 report *Livestock´s long shadow* released by FAO (food and agriculture organization) of the united nations states that “the livestock sector is a major stressor on many ecosystems and on the planet. Globally is one of the largest sourses of greenhouse gases and one of the leading causal factors in the loss of biodiversity, also is perhaps the leading of water pollution.

Water pollution is the worst and more dangerous form of pollution. It is the contamination of water bodies. Mainly by human causes/factors. Oil is also a big pollutan, when oil from the ship or other flows to the sea and it affects the entire ecosystem that lived there.

Soil pollution: destruction of the earth land surfaces, caused by solid wastes and chemicals. Land is getting polluted through the toxic substances released by the use chemical fertilizers, insecticides, pesticides, industrial wastes and more. Also the radioactive pollutans ( nuclear reactors, explosions, hospitals ) go very deep into the soil and remain there for a long time, all the soil containment is getting mixed into the fertile land causing a variety of health disorders: Asthma, Respiratory illness, Bronchitis and even cancer. In fact, 300 000 people die in China daily from heart disease and lung cancer caused by soil and air pollution.

Finally there is this kind of pollutan, the livestock. A 2017 study published in the journal “Carbon Balance and management” found animal agriculture´s global methane emissions are 11% higher than previous estimated based on data from the intergovernmental panel on climate change. The 400 page also surveys the damage done by sheep, chickens, pigs and goats, but the 1.5 billion cattle´re most to blame. Livestock are responsible for 18% of the greenhouse gases that cause global warming, more than cars, planes and all other forms of transport.

The process of burning fuel to produce fertilizer to grow feed to produce meat and to transport it and clearing vegetation for grazing produces 9% of CO2, the most common GHG. And their manure emitt more than 1/3 of methane, a GHG that warms the planet 20 times faster than CO2 (carbon is also the major driver dioxide). Of deforestation worldwide, and overgrazing is turning 1/5 of all pastures (green areas) into dessert. Cows also soak up vast amount of water, and it takes a straggering 990 liters of water to produce 1 liter of milk between the actual production and what the cow actually consumes. The report concludes that unless drastic changes are made, the massive damage done by livestock will more than double by 2050 as demand for meat increases.