Pollution

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POLLUTION

- Pollution is the addition of harmful substances to the environment.
- There are 3 main types of pollution:
- (i) air
- (ii) water
- (iii) soil
- Pollution is one of the biggest global killers, affecting over 100 million people.
- Over 1 million seabirds and 100,000 sea mammals are killed by pollution every year

POLLUTION

- Americans make up an estimated 5% of the worlds population. However, the US produces an estimated 30% of the worlds waste and uses 25% of the worlds resources.
- For every 1 million tons of oil shipped, about 1 ton is spilled.
- American's throw away 2.5 million plastic bottles per hour. Each one takes 500 years to decompose.
- In 2012, humans generated over 49 million tons of electronic waste.

- The main cause of air pollution is the burning of "fossil fuels", such as oil, gas and coal
- Almost a third of San Francisco's air pollution comes from China.
- Breathing the air of Beijing has the same health risks as smoking 21 cigarettes a day

The great wall of china is not visible from space, but China's air pollution is

1 in every 8 deaths on earth are linked to air pollution a study says.

- Water pollution is caused by a variety of substances being dumped into our rivers, lakes and seas. These include slurry, untreated sewage, excess fertilisers, litter and oil
- 14 billion pounds of rubbish are dumped into the ocean every year. Most of it is plastic
- When chemicals with a high mineral content get washed into our waterways, it causes a sudden increase in the growth of microscopic algae. This is known as the "Algal bloom". When the algae die, the decomposing bacteria use up the oxygen and so prevent plants and animals that live in water from surviving.

- The Mississippi River carries an estimated 1.5 million metric tons of nitrogen pollution into the Gulf of Mexico each year, creating a "dead zone" in the Gulf each summer about the size of New Jersey.
- Approximately 40% of the lakes in America are too polluted for fishing, aquatic life or swimming.
- Each year 1.2 trillion gallons of untreated sewage, stormwater and industrial waste are dumped into US water.

- A child dies every 8 seconds from contaminated water.
- Fish in polluted lakes lose their sense of smell.
- Thousands of marine creatures die by mistakenly swallowing plastic bags that resemble jellyfish.
- Lake Karachay in Russia is the most Radioactive and polluted lake in the world
- The health effects of smog have been seen in Dolphins living off the coast of large cities. In a recent study, Dolphins showed signs of black lung disease, an illness usually found among coal miners

SOIL POLLUTION

-The soil can be polluted when pesticides and excess fertilisers get into the soil.

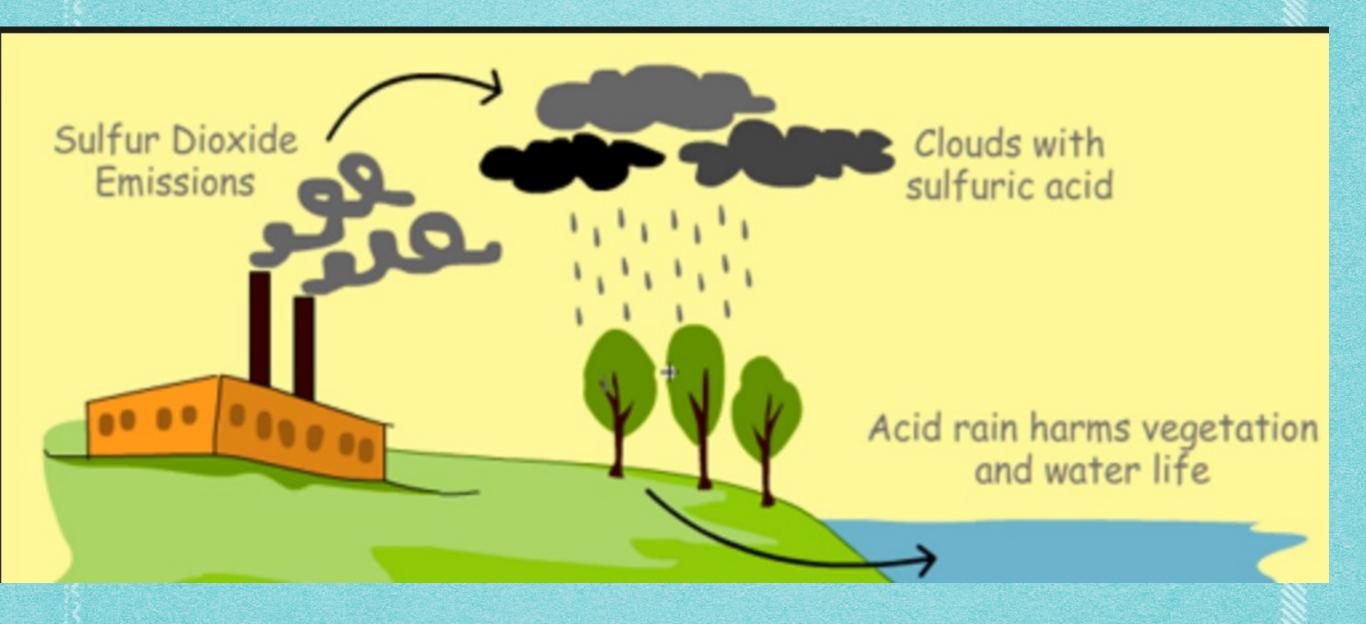
-Also chemicals from waste dumps and factories can be the cause of soil pollution

-One of the most severe complications of this pollution is that the chemicals from the soil will contaminate the crops, grown on them, and also the groundwater used for drinking.

SOIL POLLUTION

- Recycling a tonne of paper spares 17 trees, and recycling half the worlds paper, would free 20 million acres of forest land
- Every 10 tonnes of paper recycled is 10 tonnes less on its way to landfill





-----AIR-POLLUTION-













THANK YOU!!!