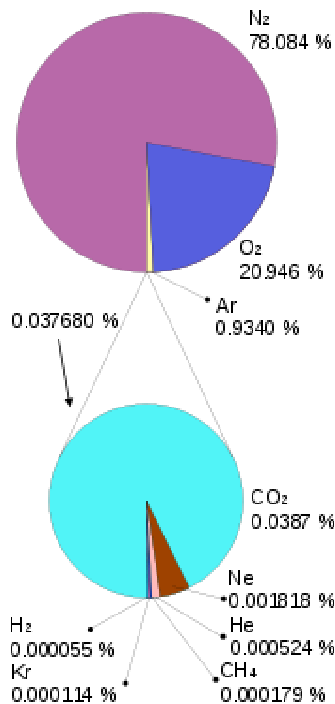


Air

Actually, humans destroys our environment in many ways. Factories, power plants, motor vehicles... These things emit pollutants and pollute our nice environment, causing air pollution.

Components of air



Major primary pollutants produced by human activity include:
Carbon dioxide Nitrogen dioxide
Carbon monoxide Sulphur dioxide

The sulphur dioxide and nitrogen oxides from power plants and motor vehicles form acid rain. The acid rain makes the soil become too acidic. Some heavy metals may be released and make the plants or crops toxic.

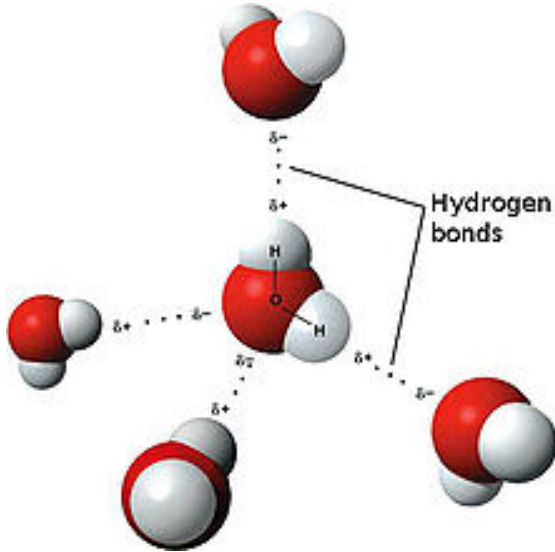
We can improve our environment by many chemical methods:

Ionizer purifiers use charged electrical surfaces or needles to generate electrically charged air or gas ions. These ions attach to airborne particles which are then electrostatically attracted to a charged collector plate. This mechanism produces trace amounts of ozone and other oxidants as by-products.

WATER

The average density of seawater at the ocean surface is 1.025 g/ml; seawater is denser than freshwater because of the salts' added mass.

Components of H₂O



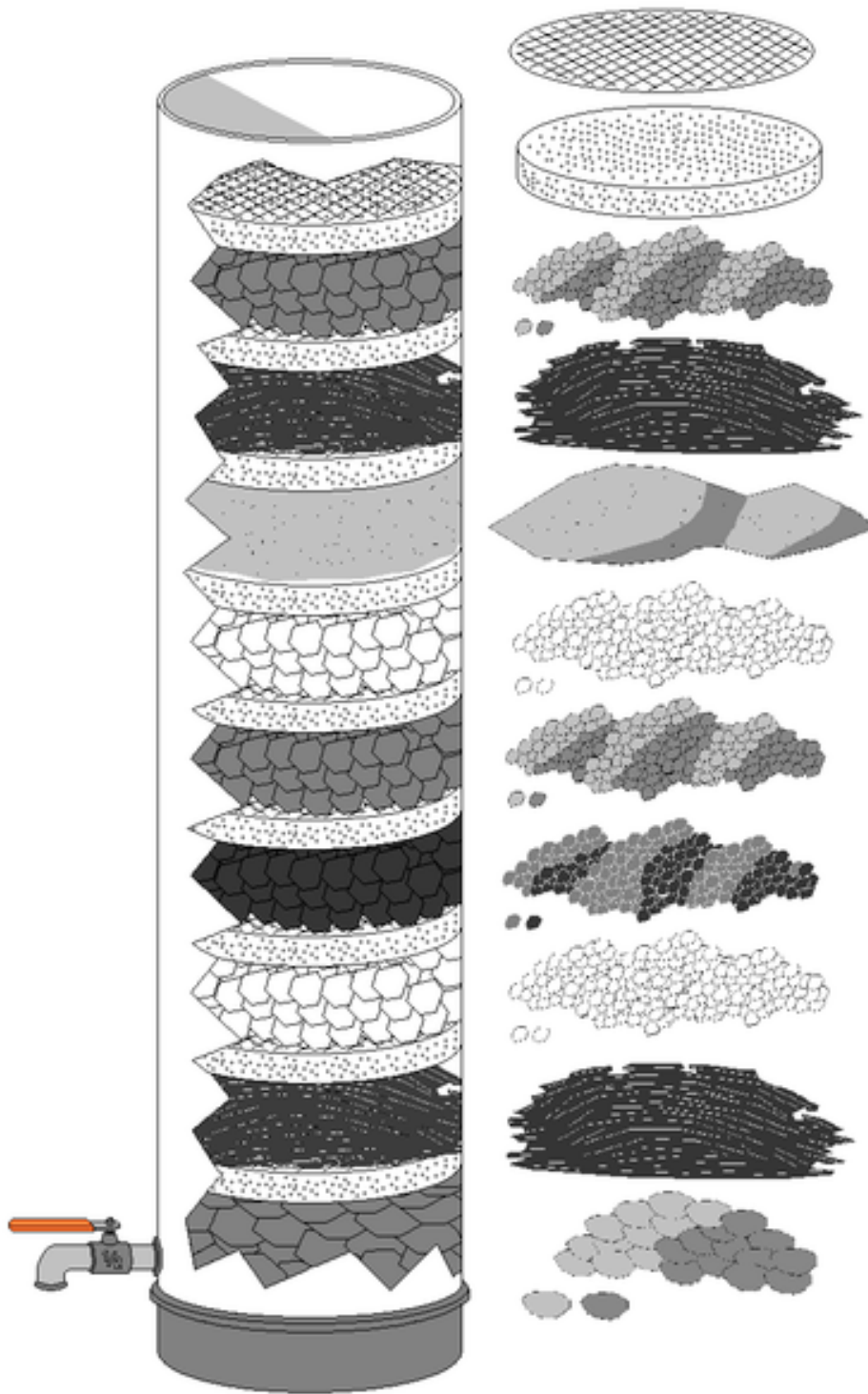
Water pollution is a serious environmental problem.

.In order to fix this problem, we have some chemical methods.

Carbon filters are most effective at removing chlorine, sediment, and volatile organic compounds (VOCs) from water. They are not effective at removing minerals, salts, and dissolved inorganic compounds.

carbon is generally activated with a positive charge and is designed to attract negatively charged water contaminants. Carbon filtering is commonly used for water purification, but is also used in air purifiers.

Carbon filters have been used for several hundred years and are considered one of the oldest means of water purification.



Carbon filtering is usually used in water filtration systems. In this illustration, the activated carbon is in the fourth level (counted from bottom).

FOREST

The forests function as habitats for organisms, hydrologic flow modulators, and soil conservers. They also provide oxygen for animals and humans.

So, the forests influence us and our environment directly.

Some forests contain rich minerals.

For example, we can find gold, copper, coal...in some forests.

They are valuable and useful in some ways.

However, the mining methods produce many chemical wastes, polluting the forests environment.

For example, 99 tonnes of waste are generated per tonne of copper.

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