

# Глобальные экологические проблемы

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# What are the environmental problems?

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*This change in the environment due to human activities, leading to disruption of the structure and functioning of nature.*



**Today it is possible to characterize the ecological situation in the world as close to critical.**

**Global problems:**

**Destroyed and continue to be destroyed thousands of species of plants and animals;**

**- Largely destroyed forest cover;**

**- Rapidly decreasing available supply of minerals;**



- The world's oceans not only depleted by the destruction of living organisms, but also cease to be a regulator of natural processes;
- The atmosphere in many places is contaminated to the maximum allowable size, and clean air is deficient;
- Partially broken ozone layer, which protects from the harmful for all living space radiation;
- Contamination of surface and disfigurement of natural landscapes: the world is impossible to find a single square meter of the surface, which was not artificially created human elements.



# Destruction of animals



Great auk



Passenger pigeon



Tarpan



Steller's sea cow

the earth 120 species of amphibians, 94 species of birds, 63 species of mammals. And people, unfortunately, took this very active.

Everyone knows the story of dodo - a large flightless bird, which is destroyed in the XVII century as a result of the barbaric hunting.

Passenger pigeon was in North America widespread type. But he was considered a pest of field and systematically destroyed. These efforts are "unsuccessful" - the beginning of XX century wandering pigeons left.

In the historically foreseeable future disappeared Great Auk, sea cow, the tour - and to blame people.

# Destruction of plant



Due to the expansion of cities, the development of agriculture and infrastructure continue to endangered species of flora and fauna. According to experts, it is now the Earth is halfway to the sixth great extinction of species. At the same time the previous five were the result of natural events (for example, falling asteroids), and the sixth will be solely the result of human activity.

**white water lily**



**lady's-slipper**



**Backache or sleep-grass**



# Die-cutting of forests

Deforestation - the process of land conversion, forest engaged in land areas without tree cover, such as pastures, cities, and other wasteland. The most common cause of deforestation - logging without adequate landing new trees. In addition, the forest may be destroyed due to natural causes such as fire, hurricane or flooding, as we acid



The process of deforestation is an urgent problem in many parts of the world, because of their impact on the environmental, climatic and socio-economic characteristics. Deforestation leads to a reduction of biodiversity, timber reserves for industrial use and the quality of life, as well as the greenhouse effect due to lower volumes of photosynthesis.



Deforestation contributes to global warming and is often called one of the main causes of the enhanced greenhouse effect.

Deforestation also affects the water cycle. Trees through the roots are fed by underground water, with the water rising to their leaves and evaporates. When deforestation process of transpiration ceases, which leads to climate ususheniyu. In addition to the moisture in the atmosphere, deforestation negatively affect the groundwater, reducing the ability of the area to detain rainfall.





# Water pollution



*The dirtiest river in the world - the river  
Tsitarum  
on the island of Java (Indonesia).*



R. Pelshma, Sokol



# Air pollution

- The introduction into the atmosphere of new, uncharacteristic for him the physical, chemical and biological agents, or a change in the natural environment of long-term concentrations of these substances.

The main air pollutants:

carbon monoxide

nitrogen oxides

Sulphur dioxide

hydrocarbons

Aldehydes

Heavy metals (Pb, Cu, Zn, Cd, Cr)

Ammonia

Atmospheric dust



# The impact of air pollution on human health

Forty percent of deaths worldwide are caused by the influence of air pollution, water and soil. Toxic emissions are killing about three million people every year. The main causes of deaths caused by air pollution - is a cancer, congenital diseases, disruption of the immune system of the human body.

Industrial enterprises and vehicles emit black smoke and the greenish-yellow dioxide, which increase the risk of early death. Emissions of road transport, as well as emissions of enterprises, coal-fired, saturate the air with tiny particles of dirt can cause increased blood clotting and blood clots in the circulatory system of the person.

Polluted air also leads to increased pressure



# Soil pollution



Soils contaminated by industrial and domestic waste water (a hundred billion. M per year), oil (a few million. Tons), fertilizers (about a hundred million. Tons) and pesticides, heavy metals (mercury, lead, etc.), Radioactive waste.



# The dirtiest city in the world

Karabash City is located in the Chelyabinsk region

The river Sak-Elga

Yellow, as the water is supersaturated with iron.? The level of iron content greater than 500 times the norm.

