## Global environmental problems of our time



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Polive in the world of the formation society, the world of Phighest achievements and vanced technologies. Over cent decades, the lives of lions of people on Earth have anged dramatically.







First and foremost, this is due to the intensive development of scientific and technical knowledge, the development of industry and cities, the emergence of new technologies. The rapid progress of science and technology on the one hand made it possible to satisfy all the needs of human society, but on the other hand it worsened the conditions of its existence.



Global problems of war and peace, health, existed before and were relevant at all times. But environmental problems appeared later due to the intensive influence of society on the natural

ENVIRONMENT.



## GLOBAL ENVIRONMENTAL PROBLEMS

Nowadays environmental problems are surprising in their scale, and therefore the environmental situation in the world can be defined as critical.

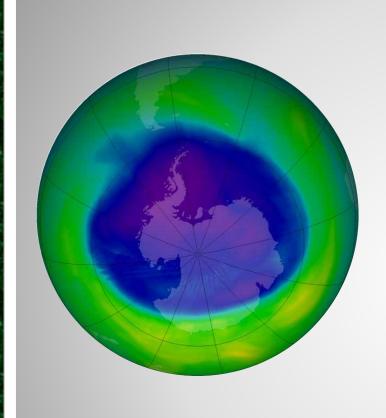
# Please list the environmental problems of our days



#### ✓ Ozone depletion

The main amount of ozone is formed in the upper layer of the atmosphere - the stratosphere, at altitudes from 10 to 45 km. A layer of ozone protects all life on Earth from the hard ultraviolet radiation of the sun. By absorbing this radiation, ozone significantly affects the temperature distribution in the upper atmosphere, which in turn affects the climate.





## The depletion of the ozone layer of the planet leads to the destruction of

• the established ocean biogenesis due to the death of plankton in the equatorial zone



#### •PLANT GROWTH INHIBITION







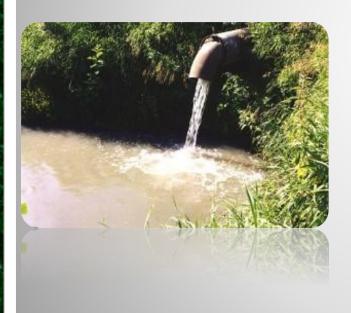
### -A SHARP INCREASE IN EYE DISEASES AND CANCER





## • WEAKENING OF THE IMMUNE SYSTEM OF HUMANS AND ANIMALS

#### **✓** WATER POLLUTION



The problem of water pollution (seas, rivers, lakes, etc.) is one of the most pressing. Man, by his activity, irrevocably changes the natural regime of water bodies with waste and discharges.



There is a lot of water on Earth, only 3% is fresh water, the remaining 97% is water of the seas and oceans. Three quarters of fresh water to living organisms is not available, as it is the water of glaciers. Glacial water is a supply of fresh water.



The previously inexhaustible resource - fresh water - is now becoming exhausted. In many parts of the world there is not enough water for drinking, irrigation, industrial production. This problem is very serious, as water pollution will affect future generations.



### ✓The changes in the Earth`s climate



Modern scientific researchers have established that the impact of human activity on the global climate is associated with several factors, especially with an increase in:

- atmospheric aerosol masses;
- generated during the economic activity of thermal energy entering the atmosphere.



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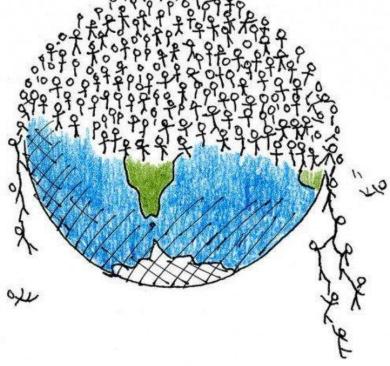
#### The following effects of global warming are predicted:

Sea level rise due to melting of glaciers and polar ice (over the past 100 years, it has already risen by 10-25 cm), which in turn will lead to flooding of areas, displacement of wetland boundaries, increased salinity in river mouths, as well as potential loss of places of residence of a person; change in precipitation (it will increase in northern Europe and decrease in southern);

change of hydrological regime, quantity and quality of water resources.

#### RAPID URBANIZATION OF THE POPULATION

OVERPOPULATION

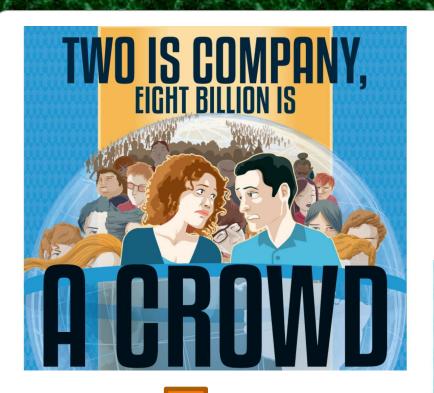


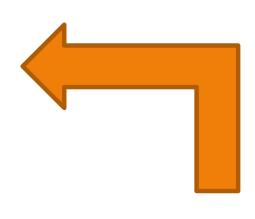


- \* The human population stands at 6.5 billion and is projected to rise to more than 9 billion by 2050.
- \* In less than 50 years the human population has more than doubled from its 1960 level of 3 billion.
- \* China is the most populous country with more than 1.3 billion people. India is second with more than 1.1 billion.
- \* By about 2030 India is expected to exceed China with nearly 1.5 billion people.
- \* About one in every three people alive today is under the age of 20, which means that the population will continue to grow as more children reach sexual maturity.
- \* Britain's population of 60 million is forecast to grow by 7 million over the next 25 years and by at least 10 million over the next 60 years, mainly through immigration.
- \* This is equivalent to an extra 57 towns the size of Luton (pop 184,000)

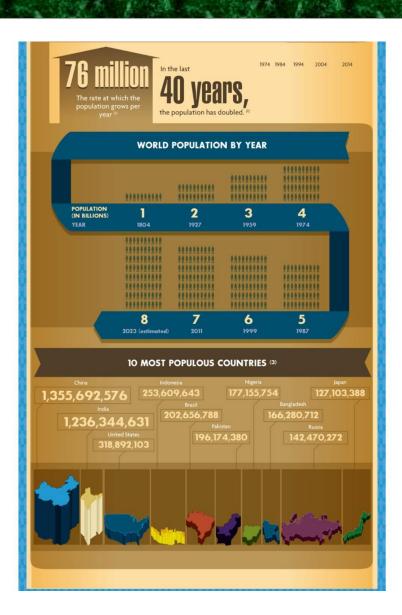


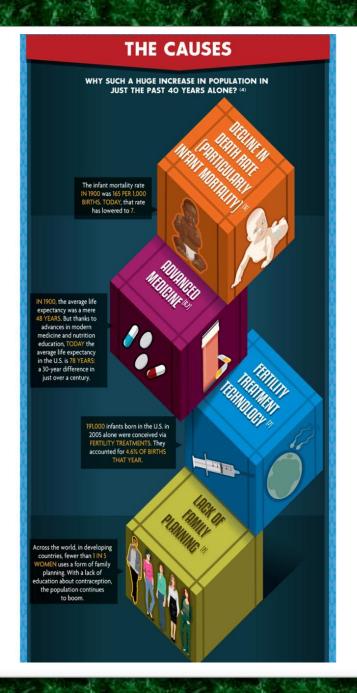
By the time you have finished reading this column, an estimated 100 babies have been born in the world.



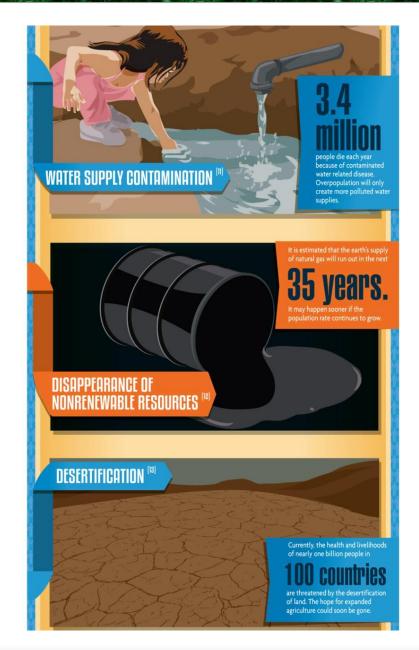


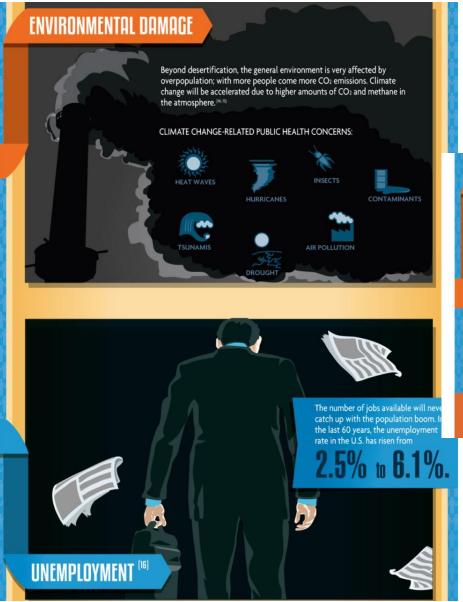


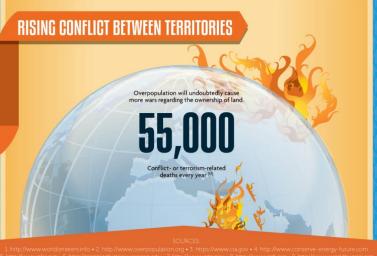












#### Possible solutions to problems



It is necessary to solve these problems as soon as possible, and this should be the task of the whole of humanity, of the whole world community. An attempt to unite on an international scale was made at the beginning of the 20th century, when in November 1913 the first international meeting was held in Switzerland concerning the protection of nature. The conference was attended by representatives of the 18 largest countries in the world.



Today, cooperation between states is reaching a new level: joint development and programs, conclusion of international conventions on nature conservation.



The activity of many well-known public organizations involved in environmental protection, Greenpeace, as well as the Green Cross and Green Crescent, which are developing a program to address the issue of holes in the ozone layer of the Earth, also intensified. Nevertheless, it can be noted that international cooperation in the field of ecology is far from perfect.

What measures are being taken to solve these problems?

First of all, hopes for solving problems are connected with the development of energy-saving technologies and bringing clean energy sources to the level of industrial capacities. The development of electric vehicles, the expansion of public electric transport will gradually purify the air of cities. Solar panels and wind power plants should reduce, and eventually reduce to zero, the burning of fuel in thermal power plants, which now produce the lion's share of electricity in the world.



Any attempts to recycle garbage or recycle it without waste are now very valuable. Especially considering the fact that a significant part of the garbage, these things are quite suitable, thrown away simply because they are replaced by new ones. All that can be made from recyclables, you need to make from recyclables - this is now the main slogan. Of course, household waste is only a small part of the problem.





Still unresolved issue is the processing of plastic and rubber. Here, great hopes are placed on biotechnology, which, I want to believe, will allow either to recycle these debris, or somehow integrate them into the environment.



It is necessary to note an important fact. Whatever programs are carried out by states, that would not be promoted to us from television screens and on the streets of cities, the salvation of our planet depends on each of us. Let the contribution of each will be small, but together we can make this world a better place, save our planet!







Жер шарының тағдыры өз қолымызда! Судьба нашей планеты в наших руках! Together we will change the World!