

# Ecological Problems.

## Natural disasters





***NATURAL  
DISASTERS***



# What does it mean “Eco”?

- “Eco” means “home” in Latin language. It’s a science about our mutual home – about nature.
- Science, which teaches us to treat very carefully to our homeland.

*Environment - is surroundings  
we live in.*



# Ecological problems

Air pollution

Water pollution



# Ecological problems

Soil pollution

Famine



**Air pollution is a very serious problem, because polluted air can cause illness and even death. Every year world industry pollutes the atmosphere with about 1500 million tons of dust and other harmful substances. Many cities suffer from smog, the oxygen balance upsets. Cars are polluting the air by exhaust gases and other dangerous chemicals.**



***Air pollution***



Virtually not only human beings pollute the air but nature itself can cause damage, for example volcanic eruptions.

But the consequences after volcanic eruptions aren't so harmful as human beings, in contrast to human activities, these processes are always reversible – though after a while the atmosphere will recover in former structure.





# *Water pollution*



Water resources is one of the main factor of existing life in our planet.

People use fresh water for their needs. It is more than 2% of hydrosphere volume.

First of all water pollution is the result of industrial, agricultural and everyday necessities discharge of wastes into rivers, lakes and seas.

The main part of water pollution plays a large number of oil industry wastes.

The main component of the Earth biosphere represents topsoil.

Soil is polluted by: litter, wastes, heavy metals, pesticides, radioactive elements.

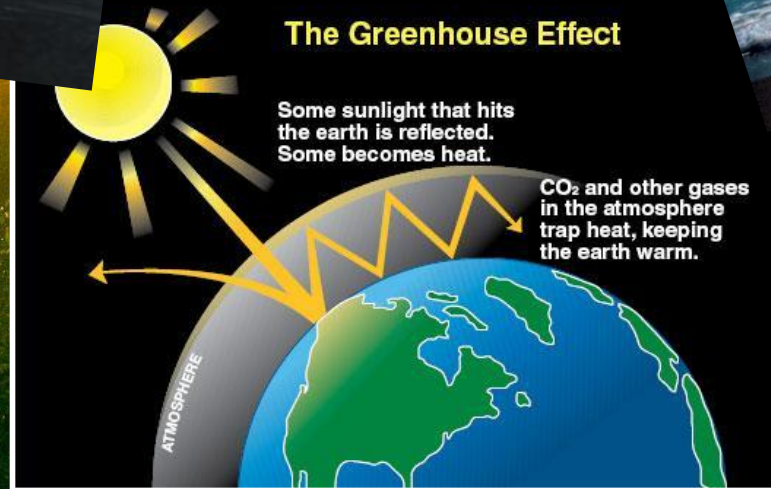
Sinking aerosol may contain heavy poisonous metals and it may lead to plants' ruin.



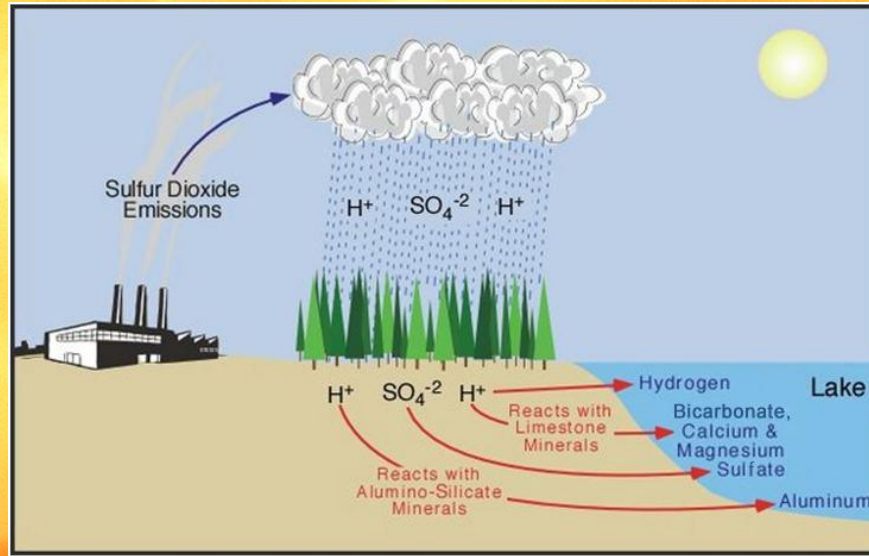
*Soil pollution*

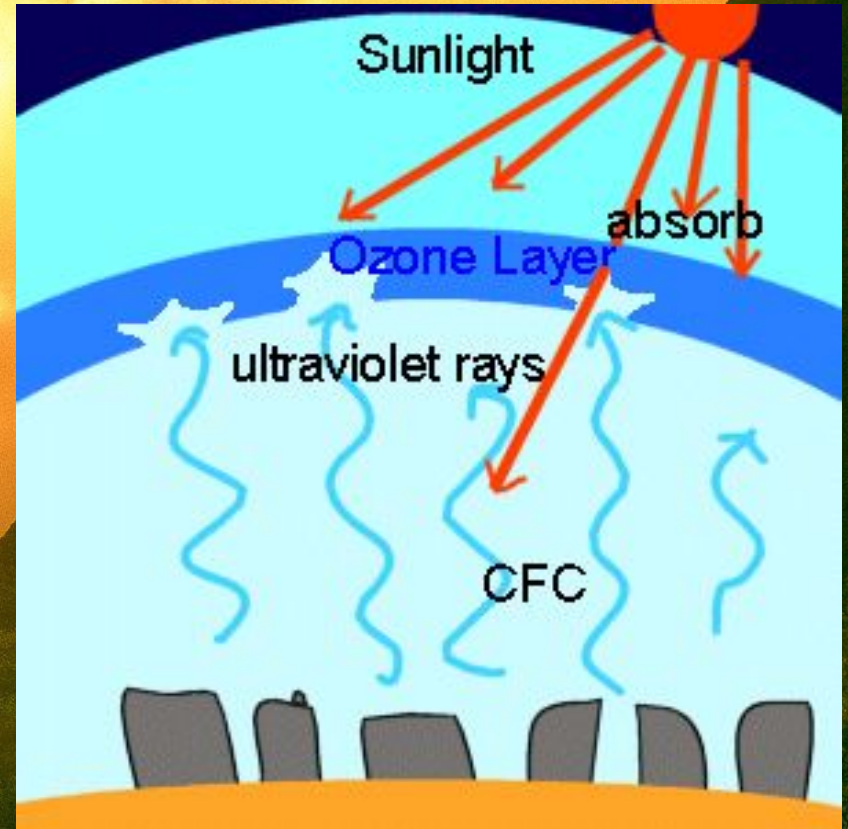
# Modern ecological problems

## Greenhouse effect



# Acid rains





***Ozon layer***

# Global warming



## Global warming: Causes and effects

Earth's temperature has risen about 1 degree Fahrenheit in the last century. The past 50 years of warming has been attributed to human activity.

Burning fuels such as coal, natural gas and oil produces greenhouse gases in excessive amounts.

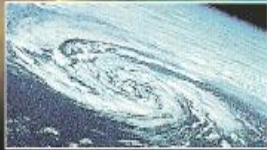
Greenhouse gases are emissions that rise into the atmosphere and trap the sun's energy, keeping heat from escaping.

Most of the world's emissions are attributed to the United States' large-scale use of fuels in vehicles and factories.

The United States was responsible for 20 percent of the global greenhouse gases emitted in 1997.

During the past 100 years global sea levels have risen 4 to 8 inches.

Some predictions for local changes include increasingly hot summers and intense thunderstorms.



Damaging storms, droughts and related weather phenomena cause an increase in economic and health problems. Warmer weather provides breeding grounds for insects such as malaria-carrying mosquitoes.



# Ways of solving ecological problems

- I. Creation of different kinds of purification plants;
- II. Recycling.



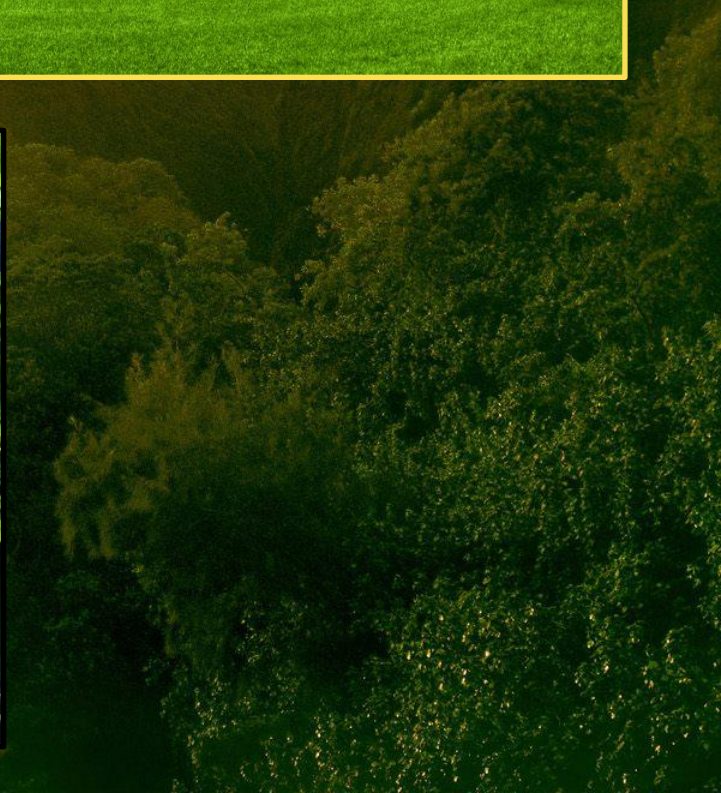
III. Using of conservation technologies and rational distribution of industry. Creation of purification territorial systems.



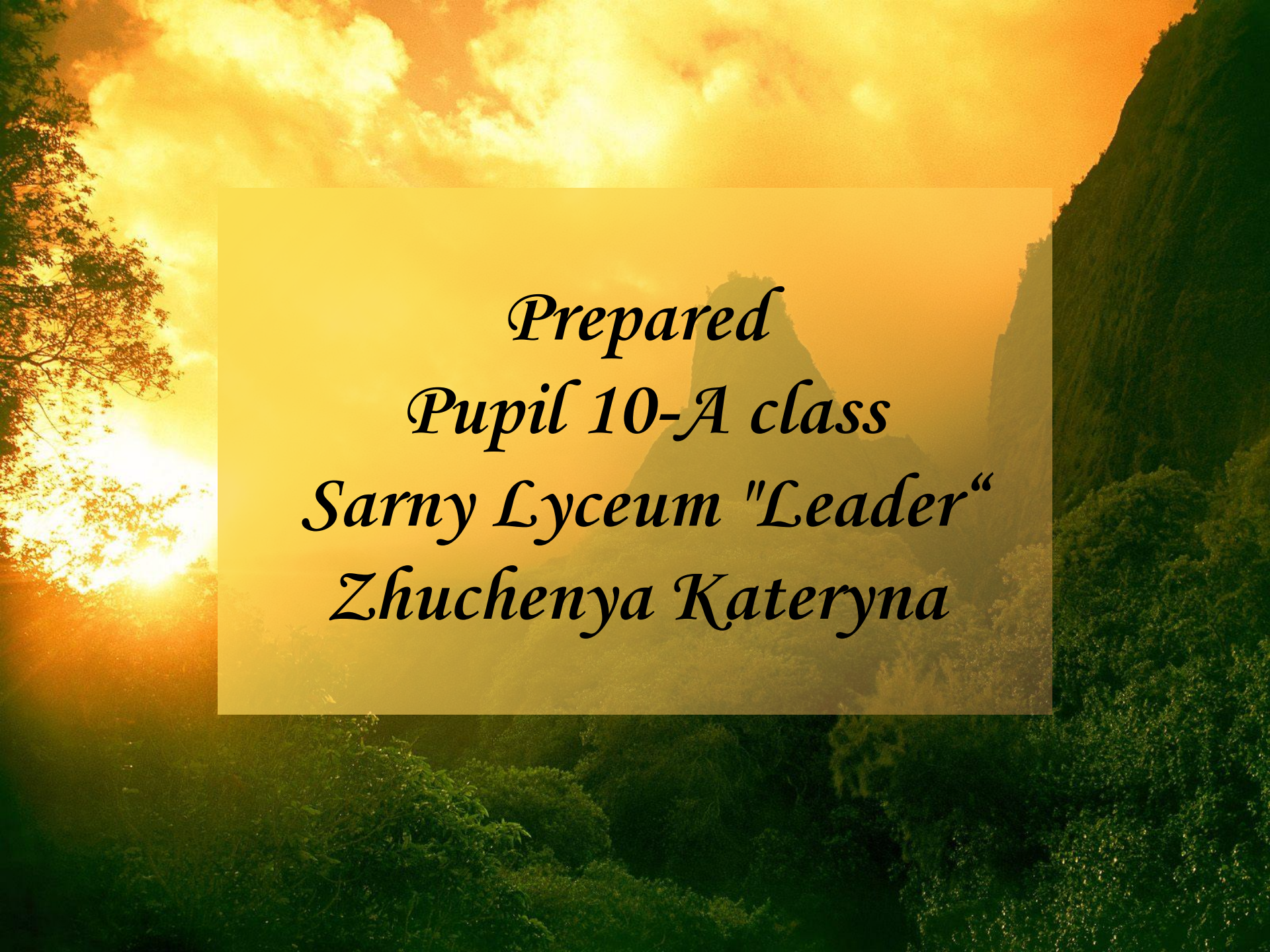


*Look how beautiful  
our planet can be!*









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