



# M.Kh.Dulaty Taraz State University

My profession: ***ECOLOGY***

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# Introduction

My name is Beksultanova Arailym. I'm from the Merke. My specialty is ecology. I like my profession. I like to learn about the environment. I like living organisms that live in this world.





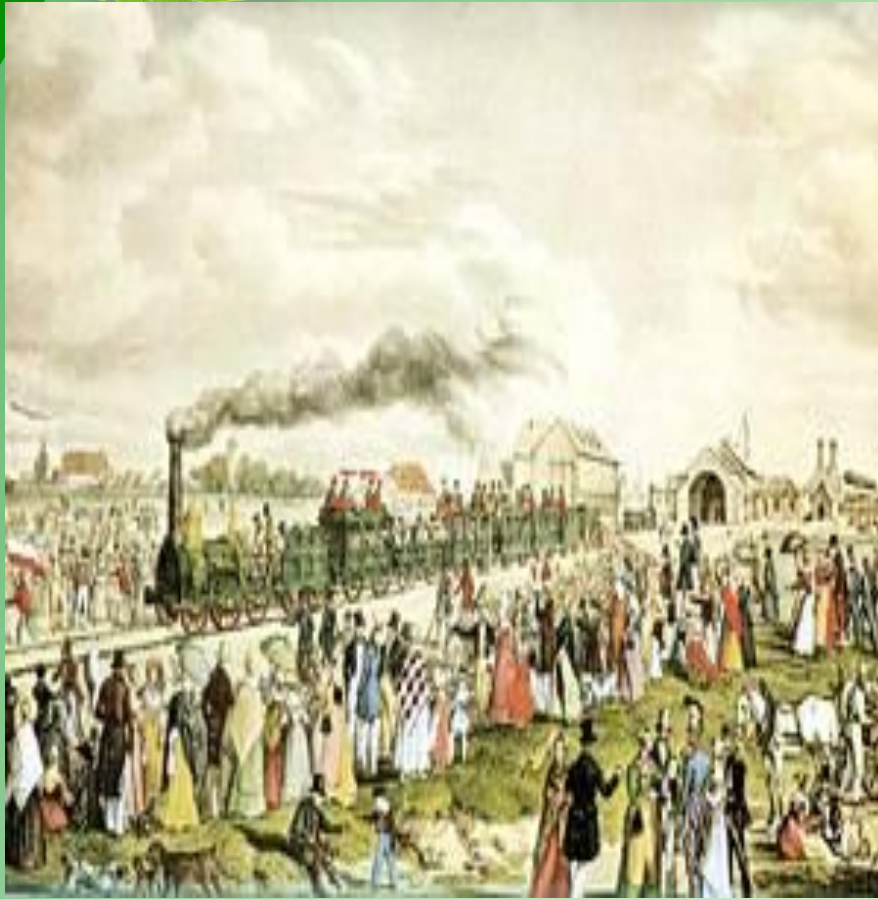
# Definition of the term ecology

- Ecology is a science. Many sciences have such prefix.

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.





People have always polluted their surroundings. Even in ancient times people admitted that their health was depending on the state of surroundings. But only in XX century humanity, in full measure, realized , that many diseases are closely connected with the air and water pollution and inferior products.

# Ecological problems



water pollution



air pollution

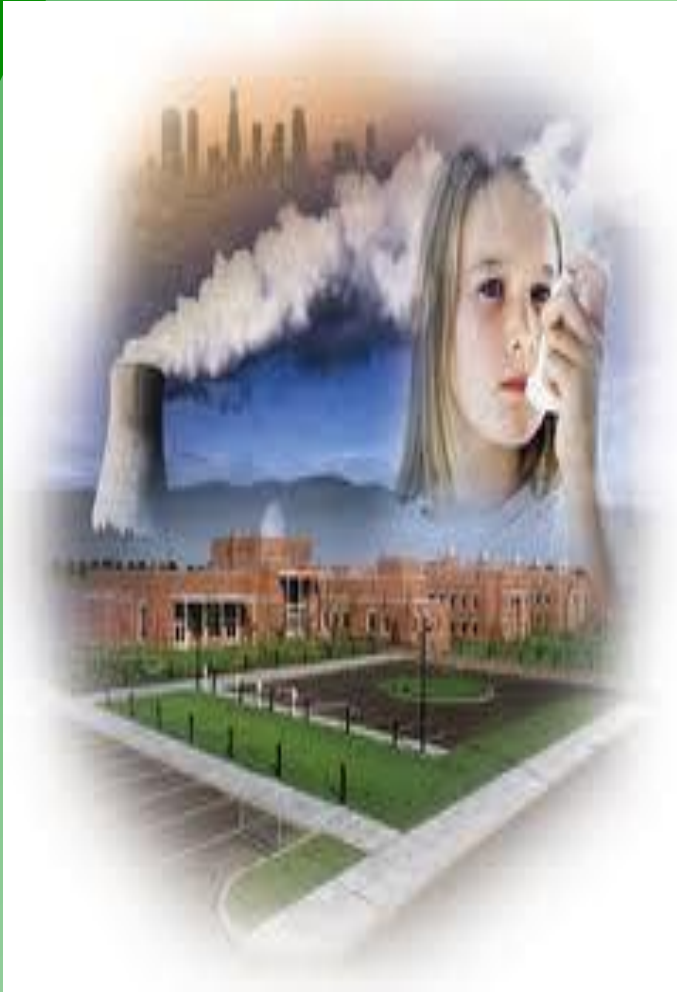


soil pollution





# Air pollution



Air pollution is a very serious problem, because polluted air can cause illness and even death. Many cities suffer from smog, the oxygen balance upsets.





# Water pollution



Water resources is one of the main factors of existing life in our planet. First of all, water pollution is the result of industrial, agricultural and everyday necessities discharging wastes into rivers, lakes and seas.







# Soil pollution

The main component of the Earth biosphere represents topsoil. Soil is polluted by: litter, wastes, heavy metals, pesticides, radioactive elements.



# Modern ecological problems



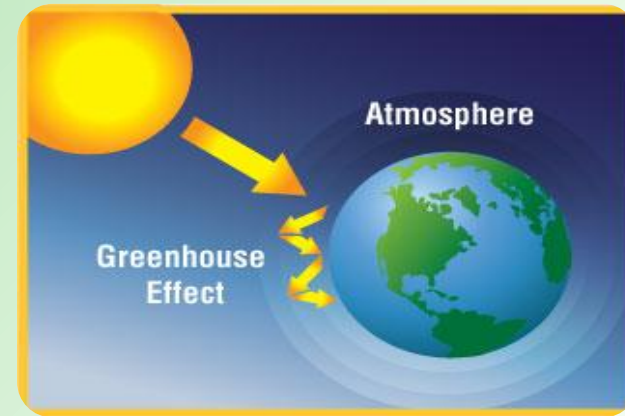
*acid rains*



*ozon layer*



*greenhouse effect*





# Ways of solving ecological problems



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





III. Using of conservation technologies and rational distribution of industry.

IV. Creation of purification territorial systems.





# Glossary

1. **Acid rain** - rains containing nitrogen oxides and sulfur dioxide.
2. **Areal** - the area of distribution of a given taxon (species, genus, family) in nature.
3. **Ecosystem** is the system that the community and the environment make up.
4. **Ecotope** - the habitat of the community.
5. **Herbicides** are chemicals used to control plant pests of agriculture.
6. **Local** (from Latin "localis" - local) refers to a small area.
7. **Pesticides** are substances used to control pests of agriculture.
8. **Phyto** - related to plants.
9. **Recycling** is the recycling of production waste.
10. **Global** - covering the whole Earth.



*Thanks for  
attention!*