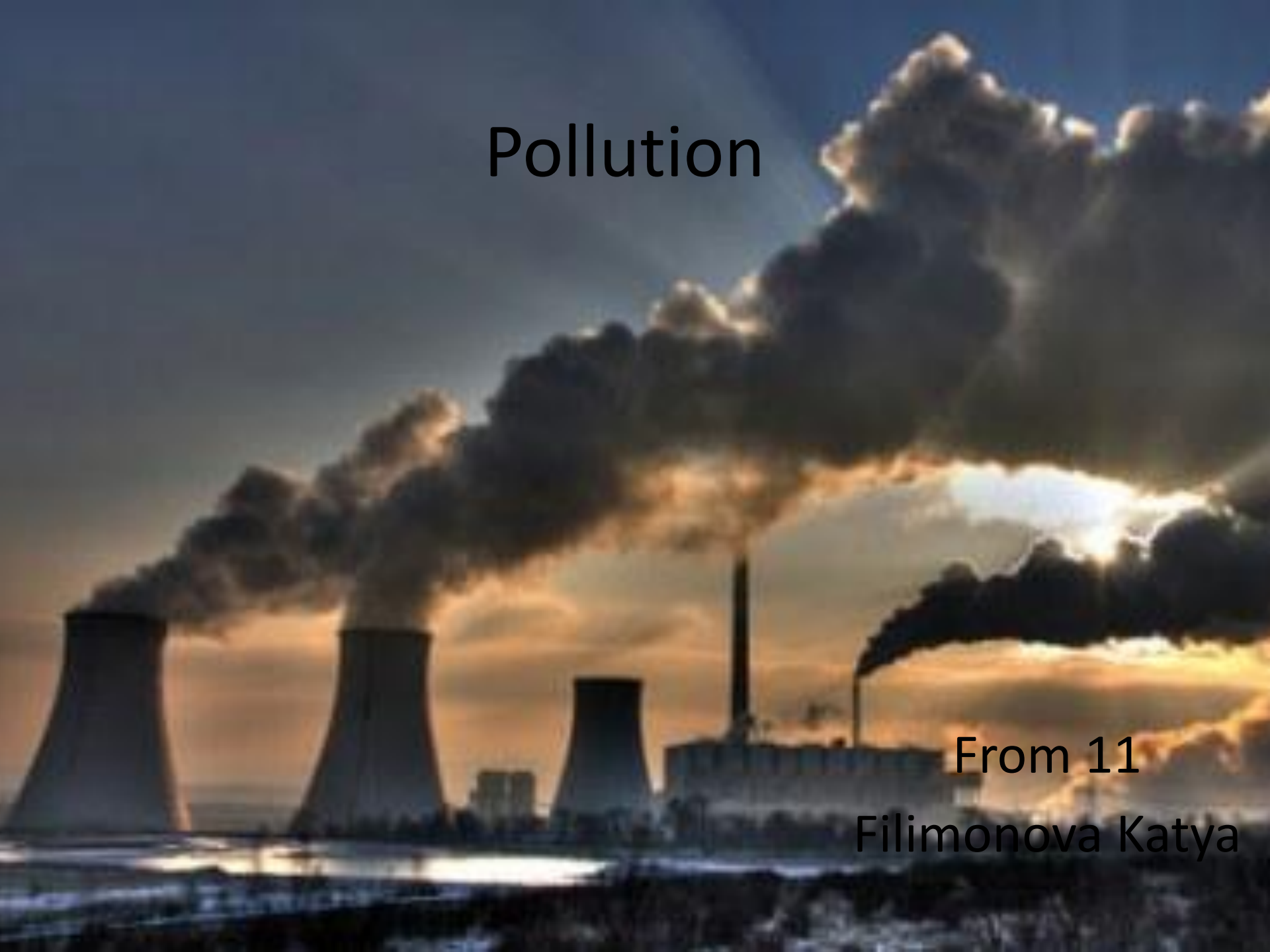


# Pollution



From 11

Filimonova Katya

**Pollution** is the introduction of contaminants into the natural environment that cause adverse change. Pollution can take the form of chemical substances or energy, such as noise, heat or light.

Pollutants, the components of pollution can be either foreign substances/energies or naturally occurring contaminants. Pollution is often classed as point source or non-point source pollution.






# Industry

A photograph showing a polluted body of water, likely a river or canal. In the foreground, a person wearing a red shirt is sitting on a large pile of garbage and debris. The water is dark and filled with trash. In the background, there are industrial buildings and structures along the riverbank.

The main anthropogenic factors of ecological crisis in Ukraine are primarily large industrial complexes - voracious consumers of raw materials, energy , water, air , land and space at the same time the most powerful source of virtually all types of pollution ( mechanical, chemical, biochemical ).

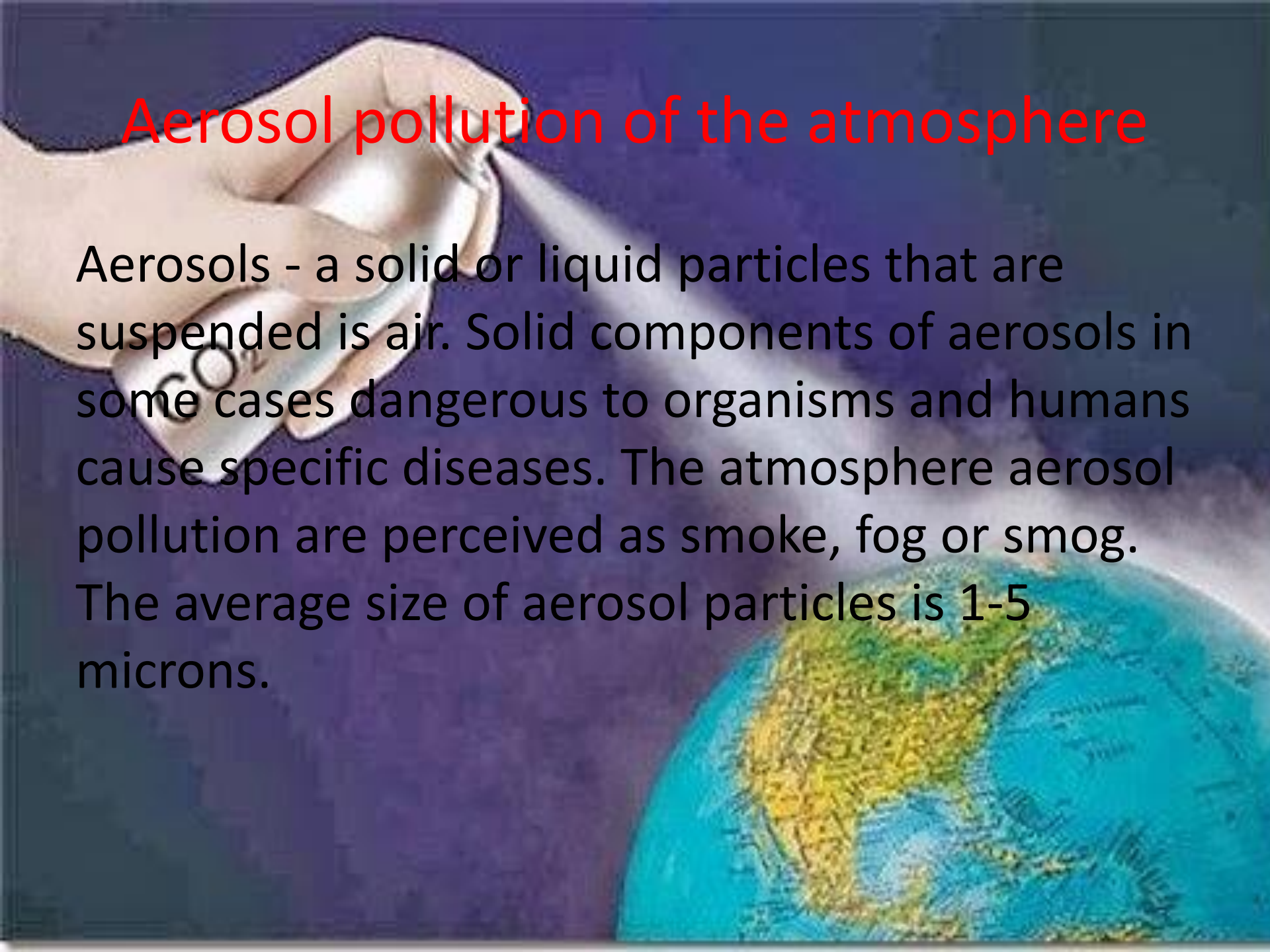




The main pollutants of the environment with heavy metals, especially lead and arsenic , as well as sulfuric and nitric acids - non-ferrous metals .

# Aerosol pollution of the atmosphere

Aerosols - a solid or liquid particles that are suspended in air. Solid components of aerosols in some cases dangerous to organisms and humans cause specific diseases. The atmosphere aerosol pollution are perceived as smoke, fog or smog. The average size of aerosol particles is 1-5 microns.





# Violation ozone layer

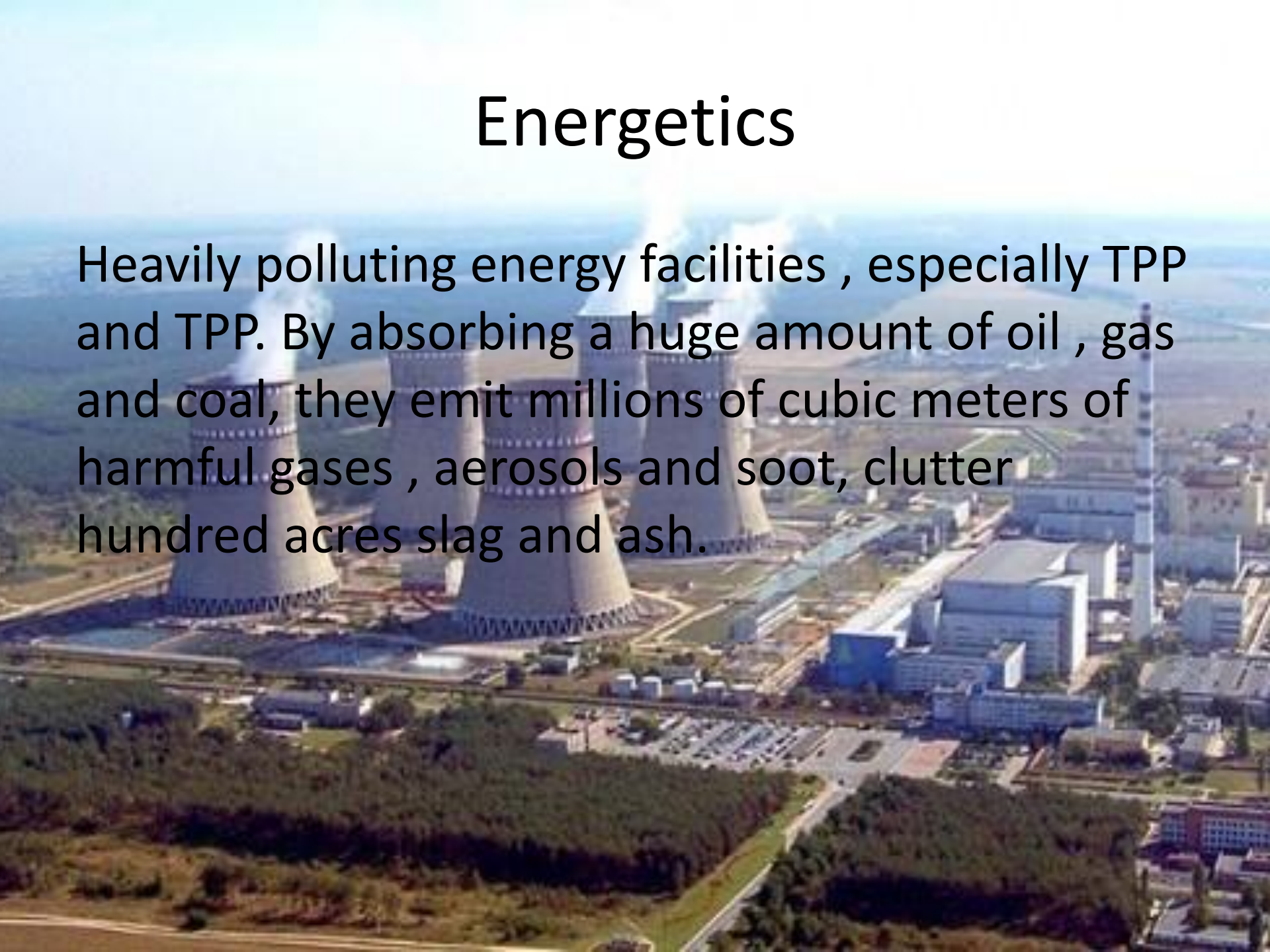
Ozone - a form of existence of a chemical element oxygen in Earth's atmosphere - its molecule consisting of three oxygen atoms  $O_3$  to form ozone necessary preliminary formation of free oxygen atoms.

The ozone hole - a phenomenon reduction in the total amount of ozone .

Many countries have begun to take measures to reduce the production and use of CFCs . Since 1978 the US was banned CFC use in aerosols . Unfortunately , the use of CFCs in other areas was not limited .

# Energetics

Heavily polluting energy facilities , especially TPP and TPP. By absorbing a huge amount of oil , gas and coal, they emit millions of cubic meters of harmful gases , aerosols and soot, clutter hundred acres slag and ash.





# Energy prospects for Ukraine

Alternative Energy - the criteria by which a country can show the degree of development. Many European countries have already had the desire to preserve the environment and solve the problem of environmental pollution with preservation of natural resources.

PRODUCED  
IN UKRAINE



Transport - road, rail, water and air - is another source of pollution of nature Ukraine

Emissions of pollutants road in an average year is about 5.5 million . Tons ( 39 % of total emissions in Ukraine ). In large cities, air pollution sometimes reaches 70-90 % overall pollution. In addition, more than 20 % of vehicles operated in excess of established standards for content of harmful substances in exhaust gases.











Alternative electric cars

# Municipal wastewater

More urgent environmental problem cities in Ukraine, especially large and spa , is cleaning various municipal waste - residential and industrial - and their processing . Every year in Ukraine reservoir dropped about 4 billion . M3 of contaminated wastewater.

**PROMIN PROSVITY**



An aerial photograph of a tropical island, likely in the Maldives, featuring a large lagoon with a sandy beach and coral reefs. The word "OUR" is overlaid in the center. The image shows a large, irregularly shaped island with a prominent lagoon on the left side. The lagoon has a sandy beach and several small boats. The island is surrounded by a shallow lagoon with a sandy bottom, and the water transitions to a deeper blue as it meets the open ocean. The sky is a clear, deep blue with a few wispy clouds on the horizon. The word "OUR" is written in a large, black, sans-serif font, centered over the lagoon area. The overall scene is a beautiful, serene view of a tropical paradise.

OUR

A pair of hands, one from the left and one from the right, are gently cupping a small, realistic model of the Earth. The globe shows the Americas, with North and South America visible in green and yellow, surrounded by blue oceans and white clouds. The hands are a light brown color. The background is solid black. The word "Planet" is written in a large, black, sans-serif font across the center of the globe.

Planet



An aerial photograph of a tropical coastline. In the background, two large, steep, green mountains rise from the sea. The water in the foreground is a deep blue, while the bay between the mountains is a lighter turquoise. A small, forested peninsula with a few buildings and a small dock is visible in the lower left. The sky is blue with scattered white clouds.

Should





be



A scenic landscape featuring a wooden bridge in the foreground, a calm pond reflecting the surrounding environment, and numerous trees in full bloom with vibrant pink blossoms. The background shows misty, forested hills. The word "the" is overlaid in the center of the image.

the