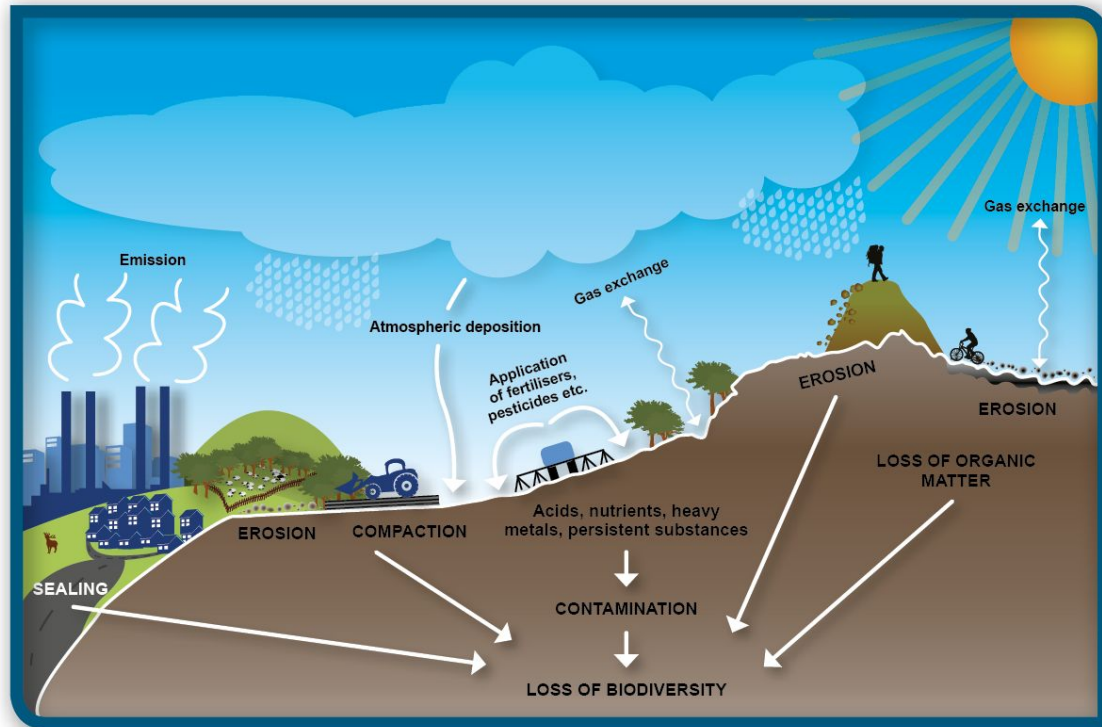


# SOIL POLLUTION



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# SOIL POLLUTION-IS ...



...changes in the composition and condition of the soil as a result of human activities.

# REASONS OF SOIL POLLUTION

The most common causes of soil contamination from human activities are:

- Industry
- Rubbish
- Transport infrastructure



# INDUSTRY



Industrial enterprises emit a huge amount of toxic substances, also radioactive waste discharged from reactors of nuclear power plants is stored in the soil.

# RUBBISH

All garbage is concentrated in landfills, after which, in many cases, it is burned, which leads to the clogging of large areas and the ingress of harmful and toxic substances into the soil.



# TRANSPORT INFRASTRUCTURE



When driving a car, hazardous substances are released into the air. With the increase in the number of vehicles, the level of environmental pollution, including soil, increases, since all elements end up in the soil.

# CONSEQUENCES OF SOIL POLLUTION

This global problem can lead to bad effects .  
There are some of them:

- ❑ Damage to health
- ❑ Poorer harvests
- ❑ Climate change
- ❑ Water and air pollution
- ❑ Species extinction
- ❑ Desertification



# DAMAGE TO HEALTH



**Soil pollutants enter our body through the food chain, causing illnesses to appear.**



# POORER HARVESTS

**Soil pollution agents  
jeopardise world food security  
by reducing the amount and  
quality of harvests.**



# CLIMATE CHANGE AND WATER, AIR POLLUTION

In the first decade of the 21st century, soil degradation released between 3 and 5 billion tonnes of CO<sub>2</sub> into the atmosphere.



Soil degradation affects the quality of air and water, particularly in developing countries.

# SPECIES EXTINCTION

Soil pollution is one of the main causes that could trigger mass extinction of animals—the population of land vertebrates fell by 38 % between 1970 and 2012.



# DESERTIFICATION



World wetland areas have decreased in size by 87 % over the last three centuries.

# HOW CAN WE SOLVE THE PROBLEM OF SOIL POLLUTION?

**One of the easiest way to stop soil pollution is low-waste industries in which emissions of harmful substances are minimal. Also people can use electric cars to prevent emission of exhaust fumes.**



**THANK YOU FOR YOUR ATTENTION!**