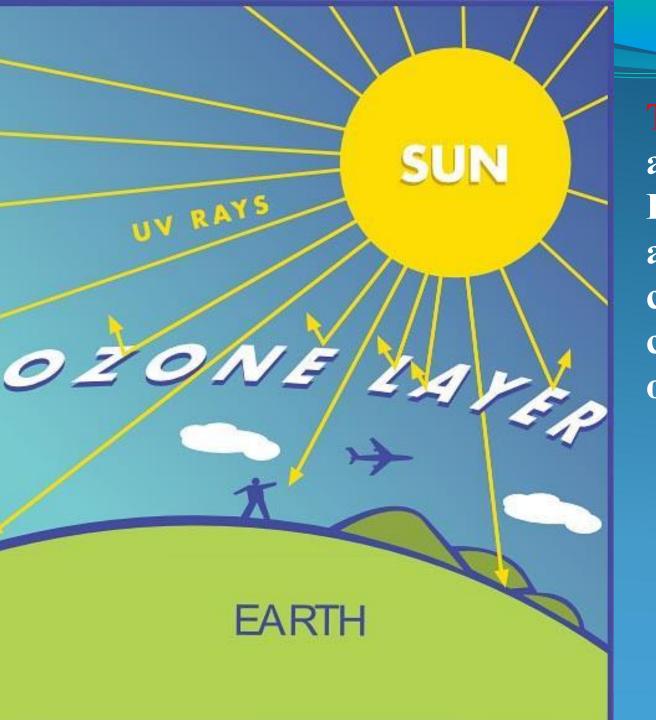
# The Problem of the Ozone Layer

The project
of the student of Class 7
Kasachkova Alina

The Center of Children's Creation "Sviblovo"

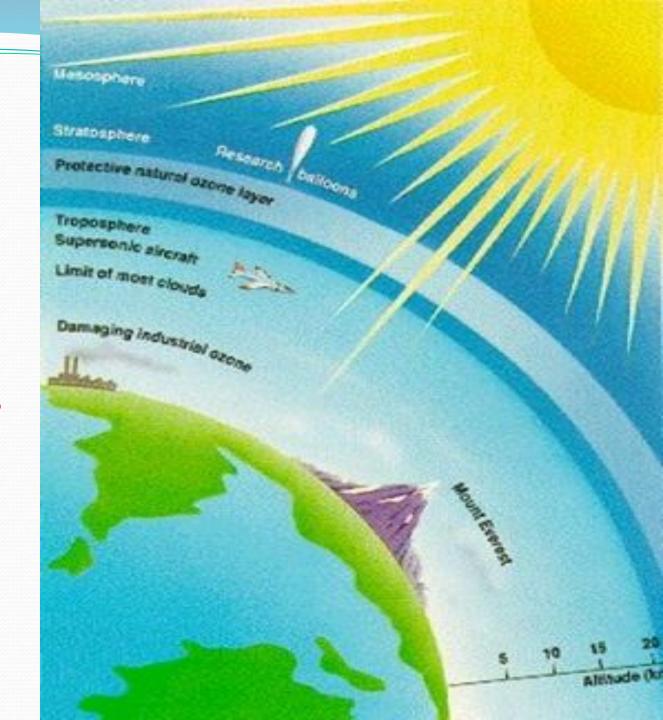
Moscow

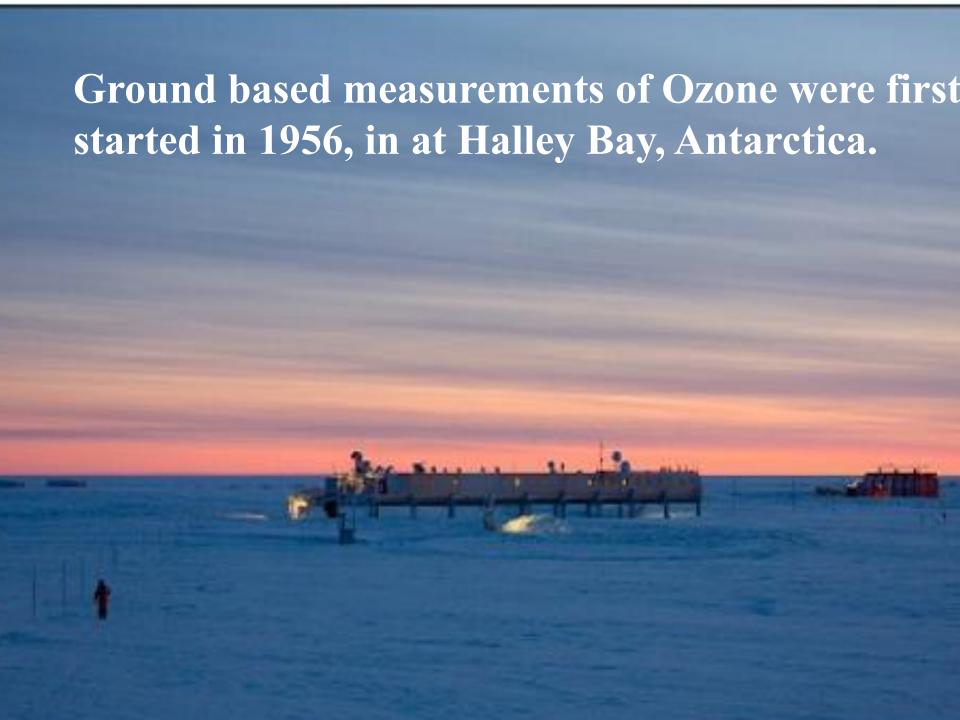


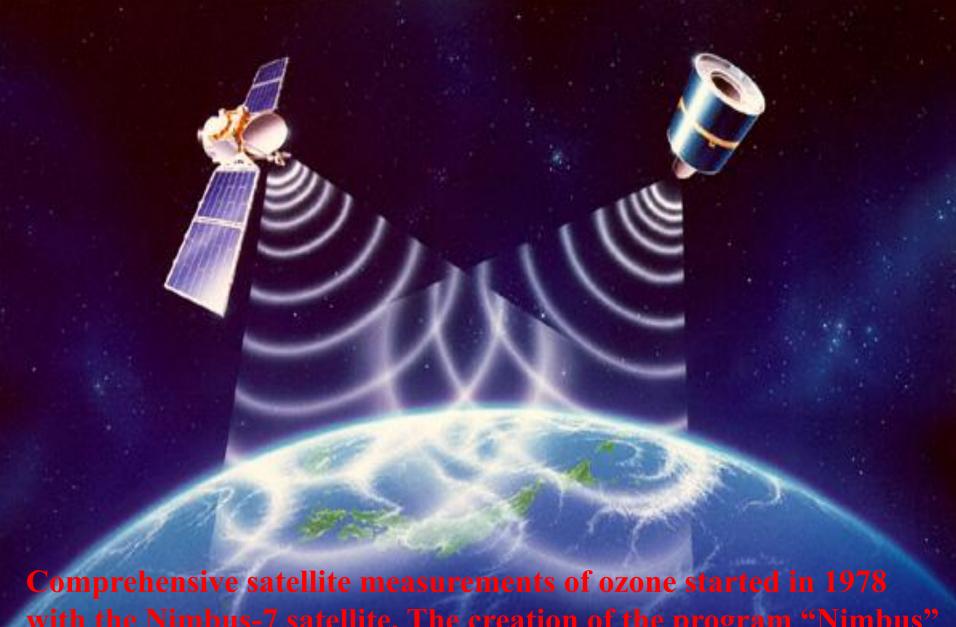
The ozone layer is a layer in the Earth's atmosphere which contains high concentrations of ozone.

#### Ozone in the Atmosphere 35 30 Stratospheric Altitude (kilometers) 25 Ozone Ozone Layer 20 15 Ozone 10 Tropospheric Ozone increases from pollution 5 Ozone concentration

**Ozone absorbs** harmful ultraviolet radiation which is produced by the Sun and protects humans and other living things from it.



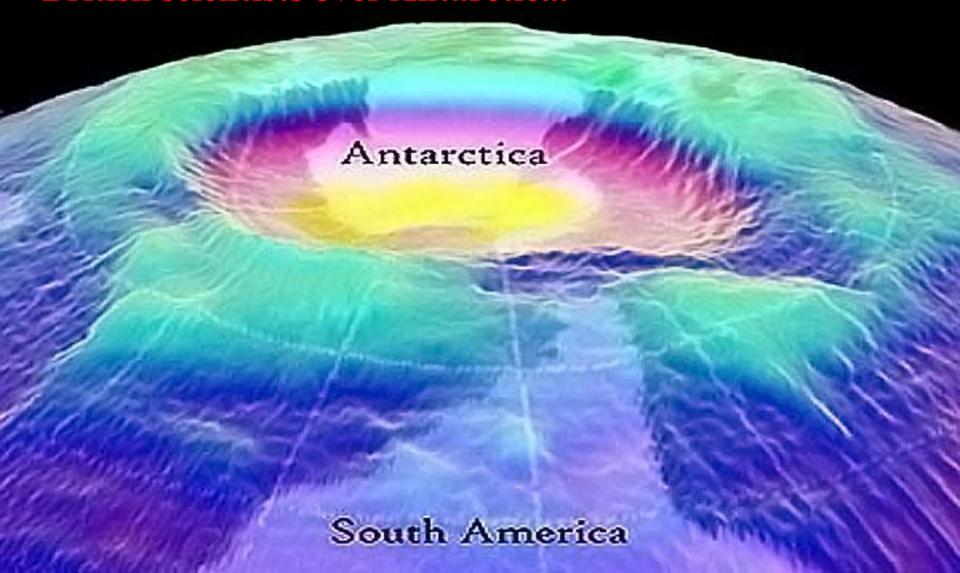




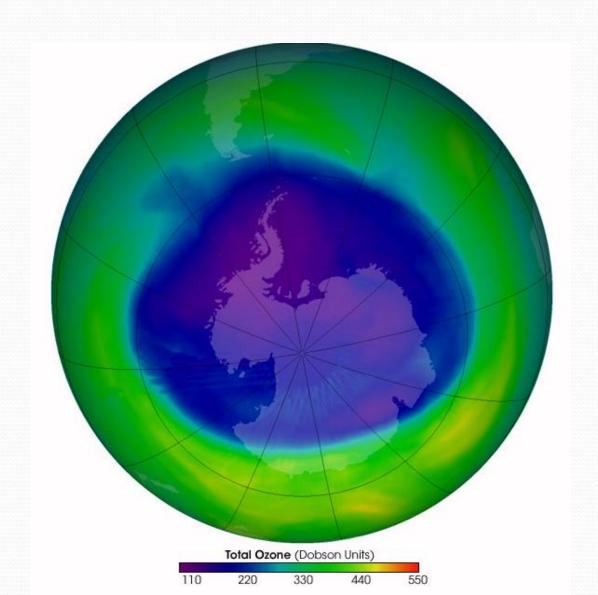
with the Nimbus-7 satellite. The creation of the program "Nimbus" (there were 7 satellites) was begun by NASA in the 70's years.

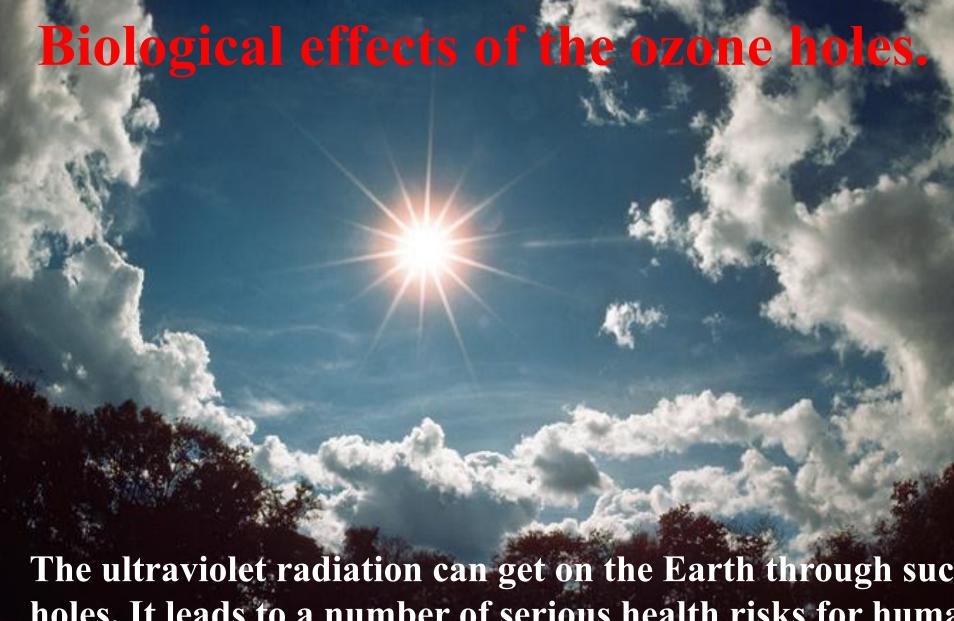


## In 1985 the first ozone hole was discovered by the British scientists over Antarctica.

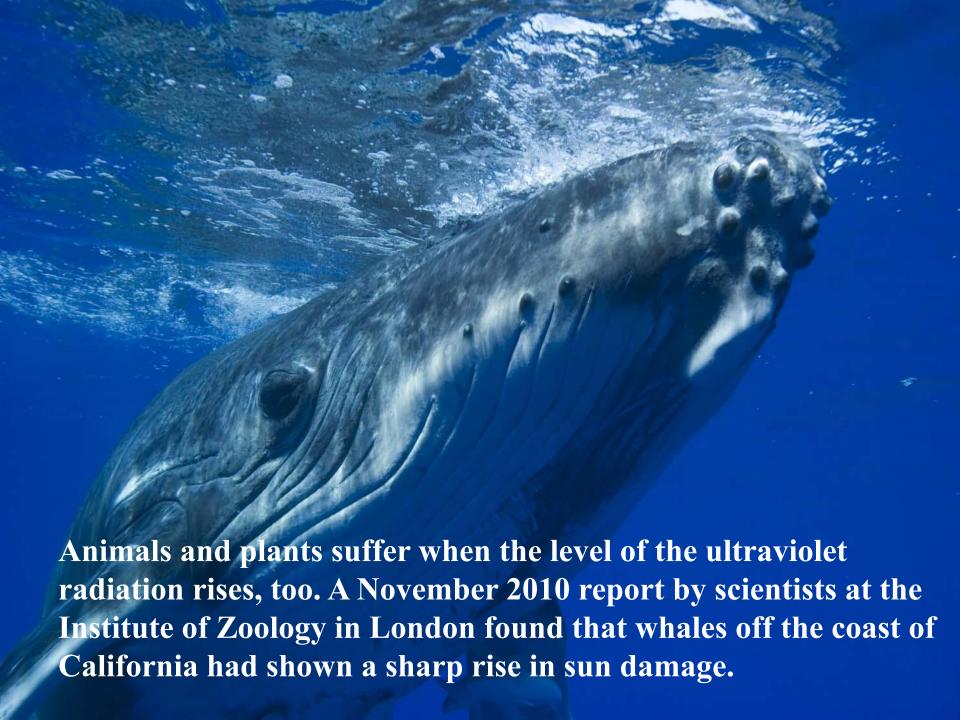


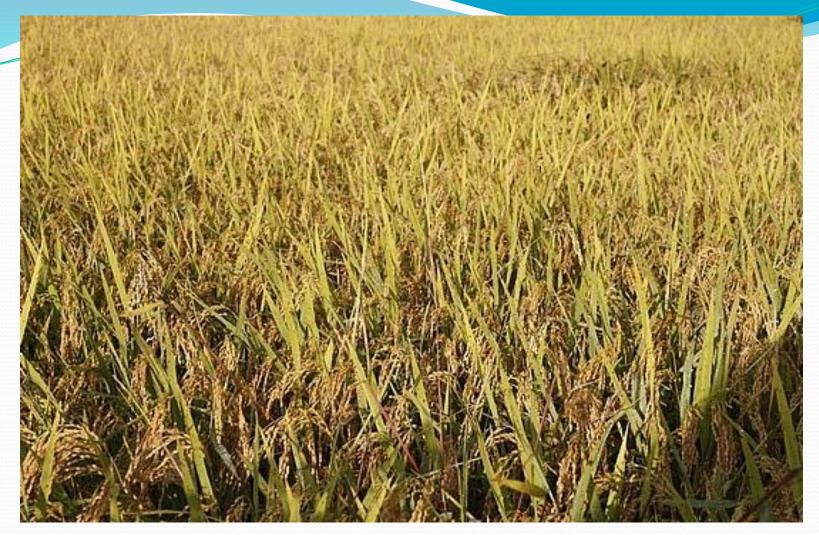
## In spring 1998 the hole of South Polar Region mounted to the biggest area.



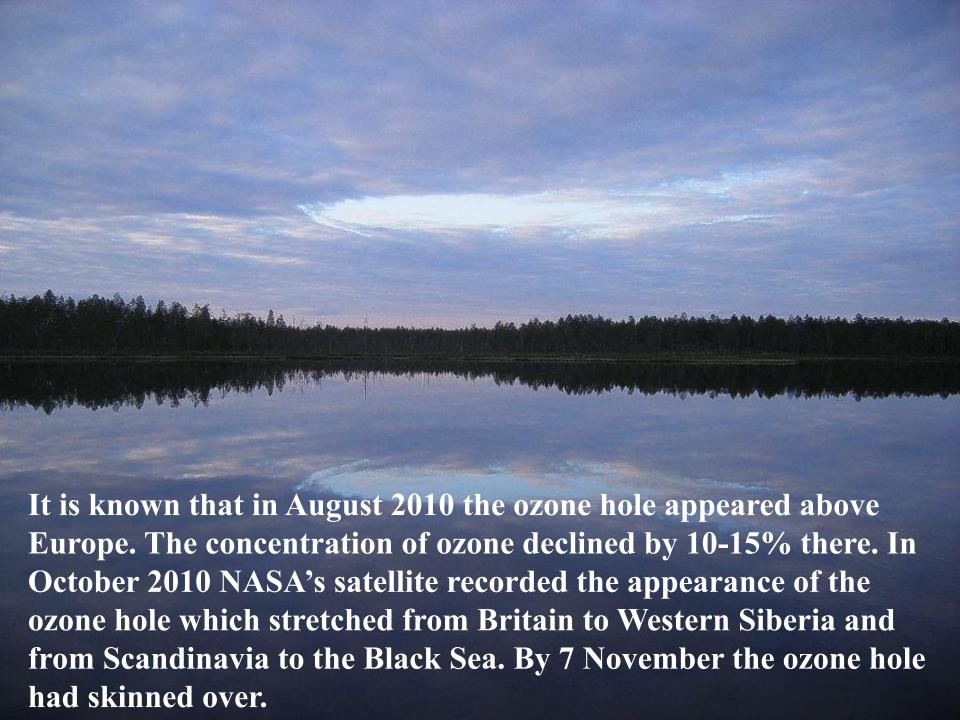


holes. It leads to a number of serious health risks for huma It causes eye cataracts, skin cancer and immuno-suppressi





An increase of UV radiation effects on plant growth, thus reducing agricultural productivity, for example, crops of rice.





### planes, that fly at the altitude of 12 - 15 km









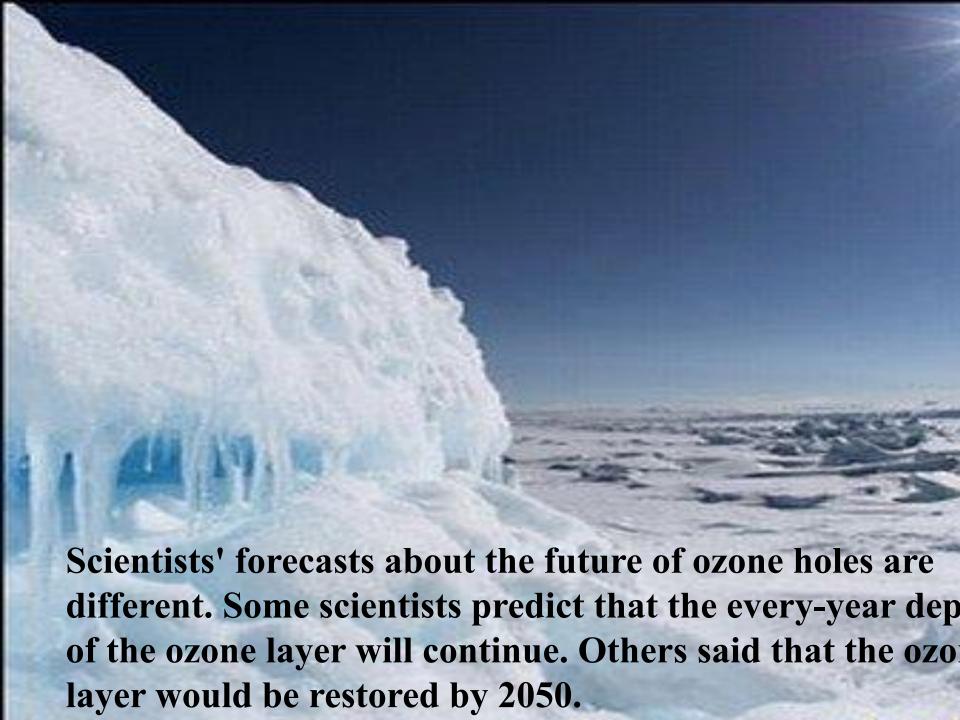
One more source of organic pollution of atmosphere become a communal economy of cities.



Large amounts of gas called CFCs were produced in the twentieth century for use in everyday appliances like fridges, aerosol spray cans, and fire extinguishers.









### Protection of the ozone layer.



Governments of many countries recognized the problem of ozone depletion, and therefore, united in 1987 to sign the Montreal Protocol to reduce the amount of CFCs, and so to protect the ozone layer.

