

OZONE

There are 2 types of ozone in our atmosphere. One type is found in the stratosphere and one is found in the troposphere.

	Ozone in Troposphere (low altitude)	Ozone in Stratosphere (high altitude)
In general, is it good or bad?	BAD	GOOD!
Why is it good or bad?	Bad because it is a type of pollution. Ozone and other compounds in car exhaust form smog .	Good because it protects us from harmful UV radiation from the sun.
Effects upon humans?	Irritates the eyes, nose, throat, and lungs of animals (including humans).	It protects us from UV radiation, which causes skin cancer and eye damage.
Where is it found?	In the troposphere (the lowest level of Earth's atmosphere, right above Earth's surface).	In the stratosphere (layer of Earth's atmosphere above the troposphere). This ozone makes up the ozone layer .
How is it made?	From the burning of fossil fuels (mainly through automobile exhaust).	It is found naturally in the stratosphere.
How is it destroyed?	Winds and storms can blow the pollution away.	CFCs (Chlorofluorocarbons) found in refrigerants and aerosols. These caused the "ozone hole"
What is its chemical structure?	Ozone = 3 oxygen atoms (O_3)	Ozone = 3 oxygen atoms (O_3)
Other chemicals involved in its formation or destruction?	Sunlight; nitrogen and sulfur compounds from automobile exhaust.	CFCs