

Answer on Question #53764, Chemistry, General Chemistry

Task:

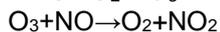
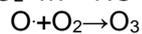
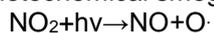
What do you mean by photochemical Smog? How does it effect the life?

Answer:

Photochemical smog is a variety of toxic and reactive compounds that are formed as a result of primary pollutants reaction with ultraviolet light.

Primary air pollutants being the reason for photochemical smog are: NO_2 , O_3 , volatile organic compounds (VOC).

Typical chemical reactions, which lead to photochemical smog are:



Ozone forms both as a product and intermediate compound in this type of reactions. O_3 is highly reactive and has the ability to oxidize and destroy lung tissue. Exposure to O_3 can lead to a reduction in lung functioning, can increase the risk of asthma.