

Chemistry 500: Chemistry in Modern Living

Topic 2: Protecting the Ozone Layer

Atoms and Light

Chemistry in Context, 2nd Edition: Chapter 2, Pages 35-72

Chemistry in Context, 3rd Edition: Chapter 2, Pages 45-92

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2A What is Ozone?

➤ Ozone Formation

➤ Produced from a variety of processes:

➤ Photochemical Smog (Topic 1)

➤ High Voltage Electrical Discharges

Molecular Oxygen + Energy → Ozone



➤ Can be smelled at 10 ppb

➤ Arc Welding

➤ Lightning Storms

➤ Laser Printers

➤ Tesla Coils