

# Chemistry of the Upper and Lower Atmosphere: Theory, Experiments, and Applications

Barbara J. Finlayson-Pitts, Jr., James N. Pitts



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## **Chemistry of the Upper and Lower Atmosphere: Theory, Experiments, and Applications** Barbara J. Finlayson-Pitts, Jr., James N. Pitts

Here is the most comprehensive and up-to-date treatment of one of the hottest areas of chemical research. The treatment of fundamental kinetics and photochemistry will be highly useful to chemistry students and their instructors at the graduate level, as well as postdoctoral fellows entering this new, exciting, and well-funded field with a Ph.D. in a related discipline (e.g., analytical, organic, or physical chemistry, chemical physics, etc.). **Chemistry of the Upper and Lower Atmosphere** provides postgraduate researchers and teachers with a uniquely detailed, comprehensive, and authoritative resource. The text bridges the "gap" between the fundamental chemistry of the earth's atmosphere and "real world" examples of its application to the development of sound scientific risk assessments and associated risk management control strategies for both tropospheric and stratospheric pollutants.

#### **Key Features**

- \*Serves as a graduate textbook and "must have" reference for all atmospheric scientists
- \* Provides more than 5000 references to the literature through the end of 1998
- \* Presents tables of new actinic flux data for the troposphere and stratospher (0-40km)
- \* Summarizes kinetic and photochemical date for the troposphere and stratosphere
- \*Features problems at the end of most chapters to enhance the book's use in teaching
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