

## Introductory Chemistry 3e Tro Chapter 4 Atoms And Elements

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experimental spectroscopic techniques especially those involving lasers have wide ranging applications in the fields of physics medicine electronics and chemistry keeping in mind the importance of spectroscopic detection and characterization of atomic and molecular species this book now in its second edition is updated it deals with both the conventional and modern experimental techniques related to atoms spectroscopy and lasers it discusses the recent innovations types and operating principles of lasers and laser systems a section on fiber laser has been added in the new edition of the book recent developments in planetary detection of atoms and molecules by laser induced breakdown spectroscopy libs has prompted the inclusion of a section on libs on planet mars along with its applications primarily intended as a text for undergraduate and postgraduate students of physics in various indian universities this uptodate book would be immensely useful also for both undergraduate and postgraduate students in chemistry astrophysics metallurgy and material science and geology and mining key features coverage is quite extensive to cater to students of most indian universities with detailed discussions on atoms spectroscopy and lasers gives special emphasis on modern aspects of spectroscopy such as laser cooling of atoms contains more than 140 diagrams to illustrate the concepts better

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