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this book provides an historical overview of the recent developments in the history of diverse fields within chemistry it follows on from recent developments in the history of chemistry a volume published in 1985 covering chiefly the last 20 years the primary aim of chemical history reviews of the recent literature is to familiarise newcomers to the history of chemistry with some of the more important developments in the field starting with a general introduction and look at the early history of chemistry subsequent chapters go on to investigate the traditional areas of chemistry physical organic inorganic alongside analytical chemistry physical organic chemistry medical chemistry and biochemistry and instruments and apparatus topics such as industrial chemistry and chemistry in national contexts whilst not featuring as separate chapters are woven throughout the content each chapter is written by experts and is extensively referenced to the international chemical literature chemical history reviews of the recent literature is also ideal for chemists who wish to become familiar with historical aspects of their work in addition it will appeal to a wider audience interested in the history of chemistry as it draws together historical materials that are widely scattered throughout the chemical literature

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without chemistry bread would not rise cleaners would not clean and life itself would not exist chemistry is the study of matter and the chemical changes that matter undergoes the discovery of the atom and how atoms interact with one another has transformed the world in this illuminating volume readers learn about the history of chemistry and the concepts they might encounter in an introductory chemistry course including chemical and volumetric analysis atomic theory gravitation elements and the periodic table chemical reactions and formulas and organic and inorganic compounds and bonds sidebars highlight key chemists and scientific principles

this brief offers a novel vision of the city of florence tracing the development of chemistry via the biographies of its most illustrious chemists it documents not only important scientific research that came from the hands of galileo galilei and the physicists who followed in his footsteps but also the growth of new disciplines such as chemistry pharmaceutical chemistry and biochemistry it recounts how in the middle ages chemistry began as an applied science that served to bolster the florentine economy particularly in the textile dyeing industry later important scientific collections founded by the ruling medici family served as the basis of renowned museums that now house priceless artifacts and instruments also described in this text are the chemists such as hugo schiff angelo angeli and luigi rolla who were active over the course of the following century and a quarter the authors tell the story of the evolution of the royal university of florence which ultimately became the university of florence of interest to historians and chemists this tale is told through the lives and work of the principal actors in the university s department of chemistry

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