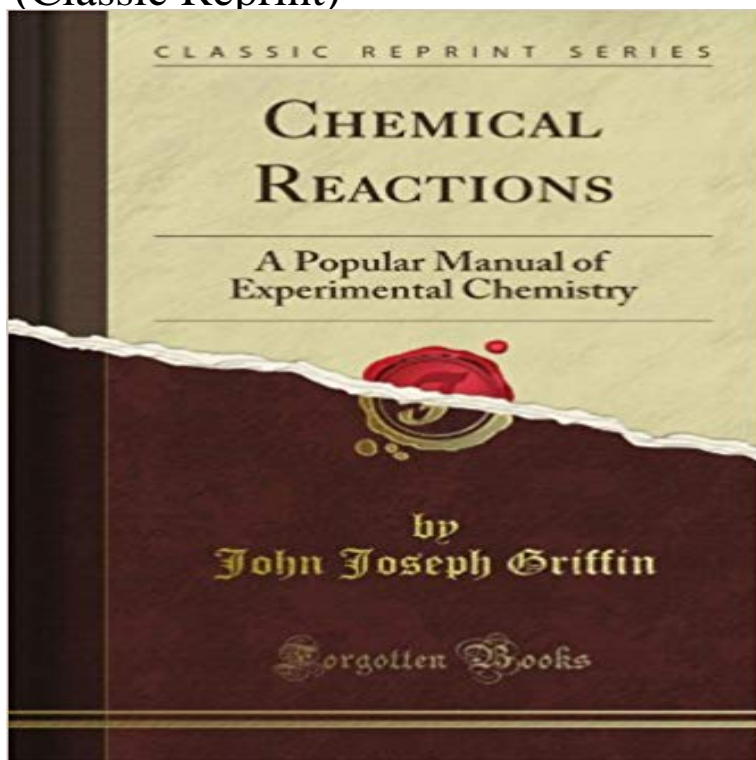


Chemical Reactions: A Popular Manual of Experimental Chemistry (Classic Reprint)



This work is offered as a manual of Experimental Chemistry for the use of beginners. The author has two classes of readers particularly in view, namely Students attending Lectures or Lessons on Chemistry, and Schoolmasters who desire to teach the Elements of Chemistry, in Popular Lectures or Experimental Lessons. Both of these classes of readers will find useful information in the following pages. The author has endeavoured to elucidate most effectively those subjects which urgently demand the notice of beginners. Thus, he has given ample accounts of Air, Water, Earths, Acids, Useful Metals, and Common Salts, while subjects of less importance are passed unnoticed. The experiments selected to illustrate the subjects fixed upon are striking and convincing, and such as can be performed with facility and Economy. The precautions necessary to ensure success and safety are detailed, and, as far as possible, the experiments are exhibited by means of numerous figures of apparatus, many of which represent new and simplified instruments, specially intended to aid the researches of young chemists. This is particularly the case with apparatus adapted to micro-chemistry, or the art of experimenting on minute quantities. The chapters describing Elementary Experiments are written in a peculiar style, to show in what manner the elements of practical chemistry can be taught to large classes of students in schools. The chapter on the Qualitative Analysis of Salts is a sequel to the elementary experiments. It is an Introduction to Analysis for the use of very young chemists. After mastering these chapters, the reader will easily comprehend the use of the Tables of Tests given in subsequent chapters of the work. The Tables will be found to contain a mass of useful information, conveyed, I hope, intelligibly. The experimental portion of the work is not confined to (Typographical

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