



METADATA

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Abstract

This book attempts a different approach to the reaction mechanisms of Basic Organic Chemistry. For this reason, reference is not made only to the reaction mechanisms per functional group (e.g. reactions of alkanes, alkenes, alcohols, etc.), but also to elementary reactions, which take place regardless of the category of organic compounds. Based on this logic, it turns out that reactions take place and covalent bonds are formed between regions that exhibit an excess and regions that exhibit a lack of negative charge. This can occur either between different molecules or between parts of the same molecule or even between the compound and the medium in which the reaction takes place. In addition to reactions in which charges are present, free radical mechanisms and molecular reactions that obey their own rules are briefly mentioned, as

well. But all reactions proceed to lower energy states. This is, after all, the reason for their manifestation. The book is divided into two parts. In Part I, only the mechanisms of the reactions are developed, without giving many elements of theory, in order to highlight the logic and autonomy of the mechanisms. Part II provides all the required background knowledge, starting with the electron, so that anyone unfamiliar with the subject can acquire the necessary theoretical background to become familiar with it. In this way, the reader who wishes to go through the mechanisms of the reactions in a few tens of pages can read only Part I, while the one who wishes to have a more complete knowledge, starting from the elementary ones, such as the structure of the atom, the creation and cleavage of the bonds, can study the entire book.

