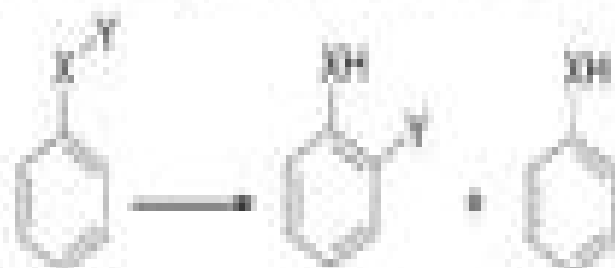


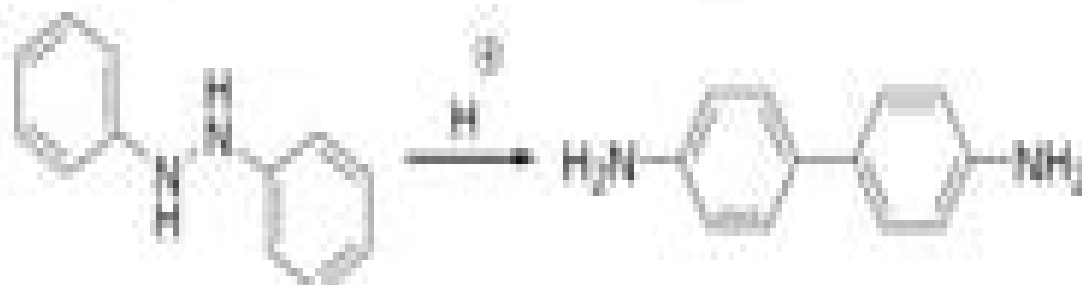
# REARRANGEMENT REACTIONS

## 5. Aromatic Rearrangements

- A number of rearrangements occur in aromatic compounds of the type:



- $X$  is usually nitrogen or oxygen. Both intermolecular and intramolecular migrations are known.
- These compounds undergo [5,5]-sigmatropic rearrangement in the presence of acid to give benzidines.



# Aromatic Rearrangements

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*Aromatic Rearrangements* Henry J. Shine, 1967      *Reactions of Aromatic Compounds* R.G. Compton, C.H. Bamford, C.F.H. Tipper†, 1972-01-01 *Reactions of Aromatic Compounds*      REARRANGEMENTS AND CHEMISTRY OF GROUP ELEMENTS (English Edition) (Chemistry Book) Paper-II Dr. Renu Agarwal, Dr. Deeksha Yajurvedi, 2023-11-01 REARRANGEMENTS AND CHEMISTRY OF GROUP ELEMENTS e Book in English Language for B Sc 5th Semester UP State Universities By Thakur publication      Reaction Mechanism in Organic Chemistry Hashmat Ali, This book presents all the aspects of Reaction Mechanism in an exhaustive and systematic manner Taking a contemporary approach to the subject it thrives on worked out mechanisms and solved examples for the students to understand and practice various categories of chemical reactions Designed to meet the growing needs of undergraduate and postgraduate students this book would also be useful as a reference text to the aspirants appearing for various national level entrance examinations      *Modern Nucleophilic Aromatic Substitution* Francois Terrier, 2013-05-20 This book provides a comprehensive overview of nucleophilic aromatic substitutions focusing on the mechanistic and synthetic features that govern these reactions The first chapter presents a detailed mechanistic analysis of the factors determining the feasibility of S<sub>N</sub>Ar substitutions providing decisive information to predict regioselectivity of many reactions and to define the conditions for concerted S<sub>N</sub>Ar processes Reflecting the key role played by these species as intermediates in most S<sub>N</sub>Ar reactions chapter 2 then discusses the chemistry of anionic sigma complexes Chapter 3 describes the concept of superelectrophilicity in S<sub>N</sub>Ar substitutions as it has recently emerged from the reactivity of strongly electron deficient aromatic and heteroaromatic structures The numerous synthetic applications are considered in depth in the chapters 4 and 5 that follow on intermolecular and intramolecular nucleophilic aromatic substitutions Then chapter 6 focuses on substitutions proceeding formally through displacement of a hydride ion a hot topic in the field The final chapter brings together concise yet comprehensive discussions surrounding S<sub>N</sub>Ar photosubstitutions radical substitutions and ANRORC substitutions Authored by a highly respected chemist who has contributed greatly to the field over the past two decades this is a valuable information source for all organic chemists working in academia or the pharmaceutical and agrochemical industries      Sulfur-Mediated Rearrangements II Ernst Schaumann, 2007-03-15 With contributions by numerous experts      **Reactions and Reagents**,      **Organic Chemistry**, 1976      *Organic Reaction Mechanisms and Stereochemistry* Mr. Rohit Manglik, 2024-03-13 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels      **Organic Reactions And Their Mechanisms** P S Kalsi, 2000 This Revised Edition Includes Several New Topics To Make The Treatment More Comprehensive And Contemporary The Exposition In Several Chapters Has Also Been Recast To Facilitate An Easier Understanding Of The Subject Molecular Orbital And Bonding Thoroughly Explained

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