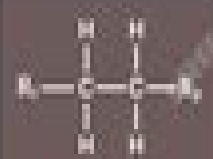
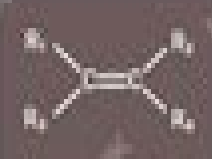
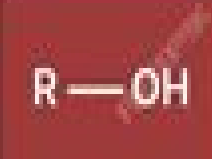
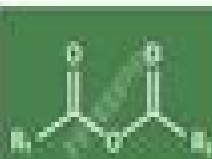


FUNCTIONAL GROUPS IN ORGANIC CHEMISTRY

 ALKANE Naming: -ane	 ALKENE Naming: -ene	 ALKYNE Naming: -yne	 ALCOHOL Naming: -ol	 ETHER Naming: -oxy-	 EPOXIDE Naming: -epoxide	 HALOALKANE Naming: -halide
 ALDEHYDE Naming: -al	 KETONE Naming: -one	 CARBOXYLIC ACID Naming: -oic acid	 ACID ANHYDRIDE Naming: -oic anhydride	 ESTER Naming: -oate	 AMIDE Naming: -amide	 ACYL HALIDE Naming: -oyl halide
 AMINE Naming: -amine	 NITRILE Naming: -nitrile	 IMINE Naming: -imine	 ISOCYANATE Naming: -yl isocyanate	 AZO COMPOUND Naming: -azo-	 THIOL Naming: -thiol	 ARENE Naming: -yl benzene

Hydrocarbons
Oxygen heteroatomics
Halogen heteroatomics
Carbonyl compounds
Nitrogen-based compounds
Sulfur containing
Aromatics

Organic Chemistry Chem1futa

Janet Maxwell



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Organic Chemistry Made Simple Murthy S. K., 1968 *An Introduction to Organic Chemistry - CHEM 231L*, 2024-06

Organic Chemistry 1st Edition with Organic Chem Lab Survival Manual 9th Edition with WileyPLUS Blackboard Card Set David R. Klein, 2013-09-21 *Introduction to Organic Chemistry* Frederick A. Bettelheim, 2006 Step by Step Organic Chemistry Janet Maxwell, 2014-02-24 Part 1 of a Two Volume Set This is not a textbook and has study summaries in it but it is not really a study guide either This well organized book addresses the material of Organic Chemistry in such a way that students with different learning styles can master the concepts It assumes no knowledge of organic chemistry and explains concepts at a very basic level with real life analogies that you would never find in an Organic textbook At the same time the two volumes explain all the complex concepts and mechanisms needed to pass a typical two semester college level Organic Chemistry Course in words that any student can understand It points out all the common mistakes that students of Organic Chemistry tend to make and shows you how to avoid them Volume 1 includes an introduction to Organic Chemistry as well as coverage of structure an introduction to nomenclature coverage of stereochemistry ionic mechanisms radical mechanisms and IR and pNMR spectroscopy Coverage of stereochemistry includes how to see molecules in three dimensions how to give the correct R S designations of stereocenters using color coding for the priority of functional groups and how to determine the relationship between 2 molecules that are stereoisomers of each other It has more than a dozen flow charts to help you solve problems Mechanisms are color coded so that you can keep up with each atom in the reaction Each reaction or mechanism in a chapter has a summary chart that includes the important information about the reaction including its stereochemistry and regiochemistry The end of each chapter contains a compilation of the summaries of all the reactions in the chapter Chapters also include study tips and ways to avoid common mistakes This volume includes extensive coverage of infrared spectroscopy including specific example spectra and visual charts showing the shape and strength of typical absorptions for each of the important bond types The volume ends with in depth coverage of proton NMR spectroscopy with a focus more on how to interpret NMR spectra than on the theory of NMR The author goes through the thought processes needed to successfully interpret the proton NMR spectra of unknown compounds This proton NMR coverage includes ten specific examples of solving for the structure of an unknown Organic compound using the molecular formula and the pNMR spectrum Some pNMR examples include the IR spectrum as well The book does include some repetition of material since the author believes that repetition is necessary to learn concepts The summaries at the end of each chapter are a repetition of what was taught earlier in the chapter that can be used as a study guide The reason that this book is split into two volumes is the fact that it exceeds the maximum page length for a book distributed by Amazon com The author tried to split the book in such a way that the topics usually covered in the first semester organic chemistry course are in the first volume while the topics usually covered in the second semester organic chemistry course are in the second volume Perfect for studying for the

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- Chapter 3: Organic Chemistry Chem1futa in Everyday Life
- Chapter 4: Organic Chemistry Chem1futa in Specific Contexts
- Chapter 5: Conclusion

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