ORGANIC CHEMISTRY 1 LECTURE GUIDE 2019

BY RHETT C. SMITH

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Instructors: Free PowerPoint lecture slides to accompany this text can be obtained by emailing <u>IQ@protonguru.com</u> from your accredited institution email account. The homepage at protonguru.com provides a link to citations to popular text books for further reading on each Lesson topic in this primer.

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By Rhett C. Smith, Ph.D.

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Companion Books from the Proton Guru:

Organic Chemistry 1 Reactions and Practice Problems 2019

by Rhett C. Smith

Organic Chemistry 1 Primer 2019,

by Rhett C. Smith, Andrew G. Tennyson, and Tania Houjeiry

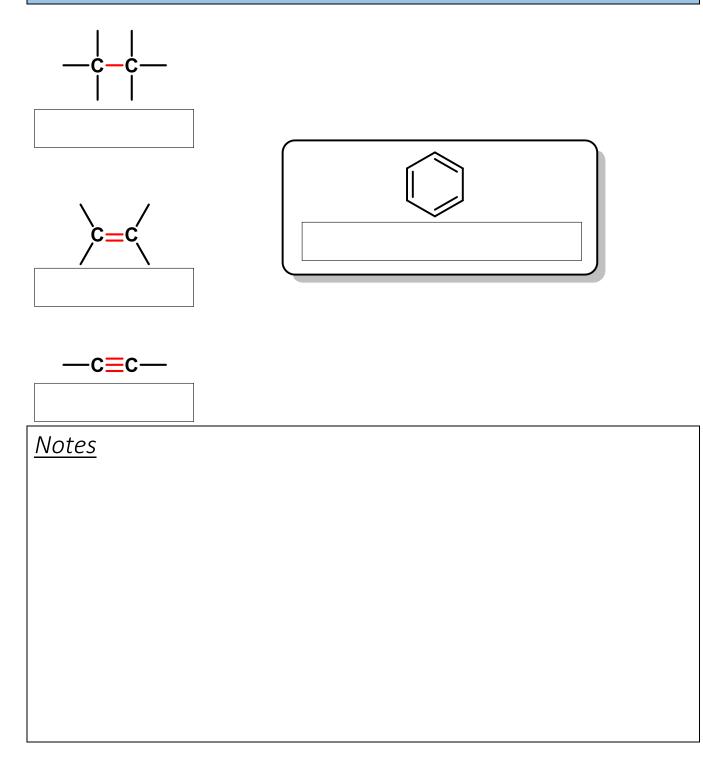
Nucleophile:

example:

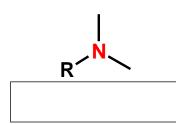
Electrophile:

example:

Lecture Topic I.4: Nucleophiles, Electrophiles and Functional Groups Functional Groups I: Hydrocarbons

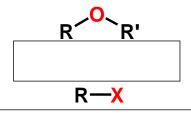


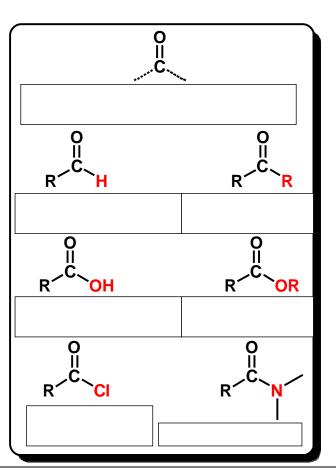
Lecture Topic I.4: Nucleophiles, Electrophiles and Functional Groups Functional Groups II: Containing Oxygen, Nitrogen and Halogens





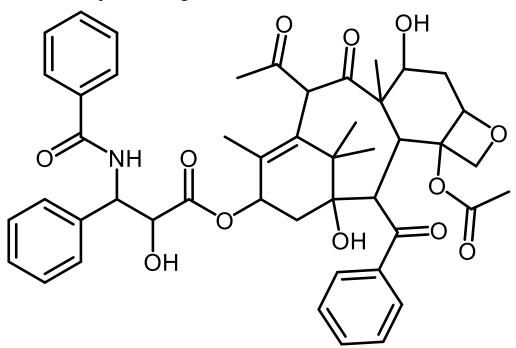






Lecture Topic I.4: Nucleophiles, Electrophiles and Functional Groups Identifying Functional Groups in Organic Molecules

Circle and label each non-alkane functional group in the structure of Taxol, a chemotherapeutic drug:



Circle and label each non-alkane functional group in the structure of Taxol, a chemotherapeutic drug:

Solution:

