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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## Organic Chemistry 1 Lecture Guide 2019

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

## Lecture Topic I.13: Reaction Coordinate Diagrams and Reaction Rate Interpreting a Reaction Coordinate Diagram

Stability
Spontaneity:

Reaction Rate:

transition state
(local maximum)

intermediate
(local
minimum)

Reaction coordinate

<u>Notes</u>			

less stable product

more stable product