

Chemistry 1500: Chemistry in Modern Living

Topic 7: Manipulating Molecules and Designing Drugs

Organic Chemistry

Chemistry in Context, 2nd Edition: Chapter 11, Pages 351-386

Chemistry in Context, 3rd Edition: Chapter 10, Pages 375-414

Chemistry in Context, 4th Edition: Chapter xxx, Pages xxx-xxx

The Figure, Table, & Problem numbers in these notes are taken from the 4th edition of the text unless otherwise noted.

Graphics from Text: Figure xxx.0

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7A Organic Chemistry

- Organic Chemistry is the study of the **chemistry of carbon**
 - What makes carbon special?
 - Many **bond types**
 - Forms long **chains**
 - Forms **strong bonds** to almost all elements
 - Over 16,000,000 organic compounds known
 - Being discovered at the rate of over 1,000,000 per year

- **Bonding**
 - Lewis dot structures
 - Remember from Topic 2 the ways that different elements bond