

BASIC CONCEPTS OF CHEMISTRY

Chapter 17

Organic Chemistry

Objectives:

- * Write Lewis structures of simple organic compounds including isomers of a compound using, where possible, condensed and fully condensed formulas
- * Write the formulas and IUPAC names of simple alkanes
- * Write the formulas and IUPAC names of simple alkenes and alkynes
- * Describe the differences between aromatic compounds and open-chain alkenes using resonance
- * List general structures, names, properties, and uses of alcohols and ethers
- * List the general structures, names, properties, and uses of aldehydes and ketones
- * List the general structures, names, properties, and uses of amines
- * List the general structures, names, properties, and uses of carboxylic acids, esters and amides