

# ORGANIC CHEMISTRY

## 2. BASIC TERMINOLOGIES

- ☐ Hydrocarbons
- ☐ Saturated hydrocarbons
- ☐ Unsaturated hydrocarbons
- ☐ Homologous series
- ☐ Functional group
- ☐ Molecular formula
- ☐ Condensed structural formula
- ☐ Structural formula
- ☐ Isomers

## 3. ORGANIC MOLECULAR STRUCTURES

- ☐ functional groups
- ☐ saturated and unsaturated structures
- ☐ isomers

## 4. IUPAC NAMING AND FORMULAE

- ☐ Write IUPAC name when given structural formula vice versa
- ☐ Identify alkyl substituents
- ☐ writing IUPAC names with substituents

## 1. BASIC UNDERSTANDING

- ☐ Define organic molecule
- ☐ Organic compound of
  - Carbon, Hydrogen, Oxygen atoms and the Halogens ( -Br, -Cl, -I ), which are often represented collectively as -X).

## 5. STRUCTURE AND PHYSICAL PROPERTIES

- ☐ boiling point, melting point, vapour pressure)
- ☐ relationships
  - Strength of intermolecular forces (Van der Waal's forces), i.e. hydrogen bonds, dipole-dipole forces, induced dipole forces
  - Type of functional groups
  - Chain length
  - Branched chains

# Physics Chemistry Of The Organic 3vol

**Ernst W. Alther**



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