Naming of organic compounds

- Main principles:

 1. Each carbon forms a total of 4
 Covalent bounds
 2. Carbon about may be bounded to
 each other
- 3. Carbons bind to other non-unetals atoms

Types of organic formulas:

Molecular Formula: Indicales the type and number of each atom, but does not provide information about the bonds

e.g. C24504

Structural Formula: Indicates the Complete 2D structure of the compound showing all bonds present

Conclensed structural formula: Short hand form that omib the bond lines, but sh'el indicates what is bundled to each carbon or other atom

CH3 CH2 OH

Skeleton: Each angle represents a carbon

Alkanes Cu Hzn+2
- contain only single bonds
- named with root + - ane

Branched alkanes

- 1. Identify the longest chain
- 2. Number the chain so that the side group has the lowest number
- 3. Side chain: root + ye

3-methyl hexane

More than one branched group: assign could number possible to sale alains

2,3 dimethye pentane

4-ethyl-3-methypheplane

Ackenes CuHzy suffix ene

- Contain at least one double bond
- naming: pool must contain both C-atoms of the double bond, even it is not the longest chain
- Chain is numbered from the end closer to the double bond