### Alkenes Cutten suffix - ene

- contain at least one double bond
- naming: root must contain both

  C-atoms of the double
  bond, even if it is not the

  longest chain
- chain is numbered from the end closer to the double bond; position is indicated by hirst C-atom in it

$$H - C - C - C = C - C - H$$
 2-pentence

 $H + H + H + H$ 

4-methoge-2-pentene 25-octachiene Alkgnes Cu Hzn-z suffix - yne

- contain at least one triple bond
- named following the same rules as for alkenes except for the suffix

# Cycloulkanes

Cy Hzy

Formed when strought chain hydrocarb, form a ring

- pretix - cyclo suffix - ane

CH2 - CH2 CH2 - CH2

cyclo but ane

CH3

1-mettyl-cyclopeutane

1-ethyl-3-methyl cyclopertane



## cyclopendene

CH3
4-methyl cyclopentene

### Functional Groups

CH3 CH2 CH2 - Ce propy/ chloride

butanol

2-butonol

#### Ethers:

dimethyl etter

## Aldehydes:

Functional group -c-General Formula R-c-R' Naming -one

CH3-CHz-C-CH2-CH3 3-pentanone

Carboxylic Acid

Functional group: - C-04

naming 1 - Die acid

butonoic acid

2-butenoic acid

3- methyl-pentanoic acid

naming: oake

methye butanoate

Aminesi -N172

CH3CH2-NH2 ethylamine

CH3CH2NH-CA2CH2-CH3 ethyl propylamine

propanamide

Nihile: - C=N

butane uitile

Amino Acids

$$\begin{array}{c}
NH_2 \\
CH - C''OH
\end{array}$$