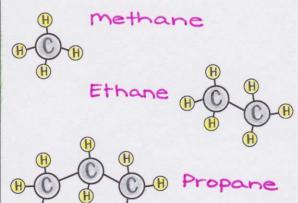
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## Organic Molecules

## Examples of hydrocarbons

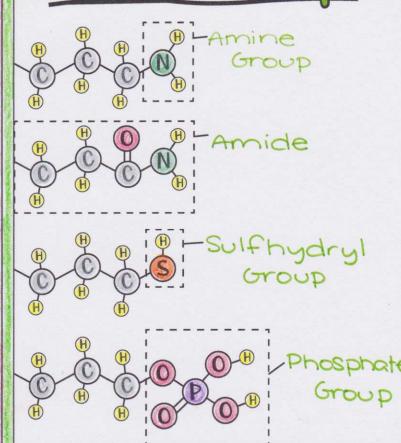


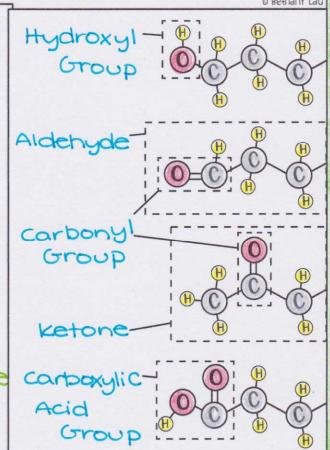
Butane B.C. B. C. B.

- carbon chains with hydrogens called hydrocarbons.
- ·These carbon-hydrogen chains, without any oxygen or nitrogen atoms, are nonpolar and do not dissolve well in water.
- ·carbon-hydrogen chains can have other groups of atoms attached to them. These groups are called functional groups,
- ·with functional groups, these molecules can have different properties and totally different functions ·If they have many oxygen and
- nitrogens attached, they usually dissolve better in water

Functional Groups

O Bethany Lau

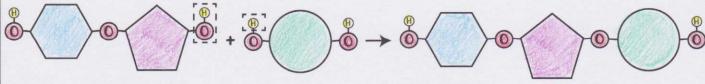




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Name: \_

Dimer



Dimer

Trimer

+ 🐠

- ·This reaction is a very common reaction used to connect monomers (small hydrocarbon molecules) to build a dimentrimen or polymer (longer than 3 monomers)
- ·During the reaction, an -oth from one molecule and a - H from another molecule break of and form water
- ·The bond formed in between the two molecules has an oxygen.

monomer

- ·Hydrolysis is the reaction that occurs when one monomer is broken off a polymer chain.
- one water molecule is used up in this reaction. It breaks apart; an -ott goes to one monomer, and the other - H goes to the rest of the polymer chain left after the monomer breaks off.