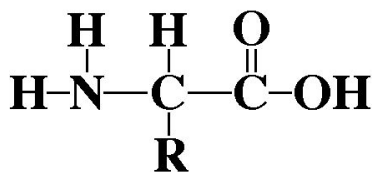


Amino Acid Structure



Amino Acids are
Straight Chain Hydrocarbons
with an Amine: $-\text{NH}_2$ and
an Amino Acid: $-\text{COOH}$

Double & Triple Bonds

Double Bonds end in "ene"
Triple Bonds end in "yne"

Double & Triple Bonds

Ethene:

Ethyne:

2-Butene:

n-butyne

Draw These:

Ethane:

Ethanol:

Ethanoic Acid:

Ethyl Amine:

Draw These:

Propane (3 carbons):

Propene:

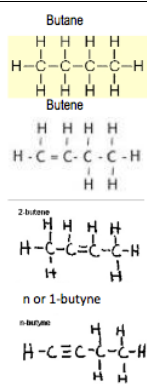
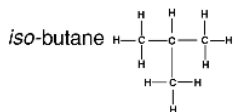
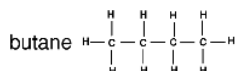
Propyne:

Propanol:

Propanoic Acid:

Propylamine:

Isomers:
Same Formula/
Different Structure



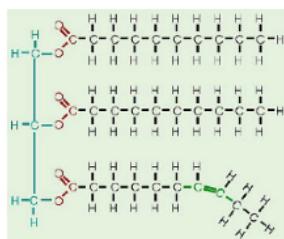
Draw These:

Pentane (5 carbons)

2-isopentane

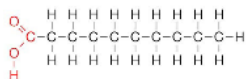
Pentanol

Lipids



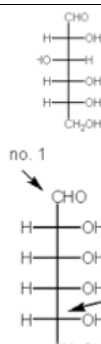
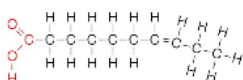
Saturated fat (basic lipid structure)

Saturated



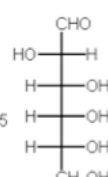
Unsaturated fat (double bond present)

Unsaturated

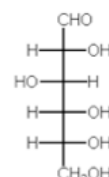


no. 1

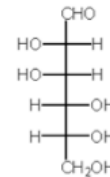
Carbohydrates:
This is the basic Structure



D-Altrose



D-Glucose



D-mannose

Functional Group Review:

Carboxyl basic Structure

Alcohol Basic Structure

Carboxylic Acid Structure

Amine Basic Structure

Amino Acid Structure