Carbonyl Group

A carbon double bonded to an oxygen molecule. Can be one the first carbon (aldehyde) or within the molecule (ketone)

R-C=O aldehyde

|

H

R-C=O ketone

|

R

Carboxyl Group

A carbon molecule attached to both a hydroxyl group and a double bonded oxygen

R-C=O

|

O-H

Amino Group

A molecule bonded to a nitrogen atom.

R-N-H2

Methyl Group

One carbon molecule attached to three hydrogen molecules and another molecule.

R-C-H3

Hydroxyl Group

A molecule with an oxygen and hydrogen attached

R-O-H

Proteins

Two or more amino acids bound together

Contain both a carboxyl and amino functional group

**Lipids**

**Glycerol and three fatty acid chains**

Carbohydrates

General formula of Cn(H2O)n

An example is formaldehyde and glyceraldehyde.