

Source: [KBiologyMasterIndex](#)

#disorganized

1 | Amino Acids

1.1 | Basics

1.1.1 | Functional Groups

Components of amino acids that, well, build an amino acid (among other things):

See [KBhBIO101FunctionalGroups](#).

1.1.2 | The Dang Amino Acids

An Amino Acid is... **(H-O-C=O) Carboxylic acid + Single Carbon Backbone + Amine (H₃N⁺)**

At the carbon backbone, any arbitrary thing “R group, or Sidechain” may be connected to it {ring, chain, etc.} that is unique to the amino acid

Here’s an amino acid

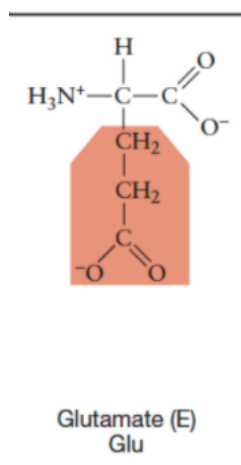


Figure 1: Screen Shot 2020-09-16 at 2.57.31 PM.png

The White parts => “Backbone” aforementioned

The Orange parts => “Sidechain”

A small chain of amino acids are called “peptide”. Put many of those together and you get a...

1.2 | Protein!

[KBhBIO101Proteins](#) are important biological structures formed by dehydrating multiple amino acids together.

1.3 | Polymerization

The process by which Amino Acids get chained together to make [KBhBIO101Proteins](#) is called “Polymerization via Dehydration.”

Take two amino acids, take the H-O out of the alcohol, take the H out of the Amine. Fill the hole with the other one