

# AMINO ACID EVERYTHING

The complete unserious guide to help me pass my test

18 Jun 2025

## THE CLASSIFICATIONS

- **Nonpolar** (hydrophobic) amino acids: Glycine G Gly, Alanine A Ala, Valine V Val, Leucine L Leu, Isoleucine I Ile, Methionine M Met, Proline P Pro
- **Polar** (hydrophilic) amino acids: Serine S Ser, Threonine T Thr, Cysteine C Cys, Asparagine R Asn, Glutamine Q Gln
- **Acidic** (negatively charged) amino acids: Aspartate D Asp, Glutamate E Glu
- **Basic** (positively charged) amino acids: Histidine H His, Lysine K Lys, Arginine R Arg
- **Aromatic** amino acids: Phenylalanine F Phe, Tyrosine Y Tyr, Tryptophan W Trp

## Mnemonics

(polar = hydrophilic)

**Nonpolar aliphatic A Valid Link In Google Meets Please**

**Polar uncharged Question: Can Nebraska See The uncharged poles?**

**Polar negative acidic Negative poles End acidic Dots**

**Basic polar positive Read His basic, polarizing, positive Knowledge**

**Non-ionizable A Valid Link In Google Meets Please For We Sing Tonight! No Questions**

**Aromatic Yes, Wait, Ferb's aromatic**

**Ionizable ... basically all the other ones**