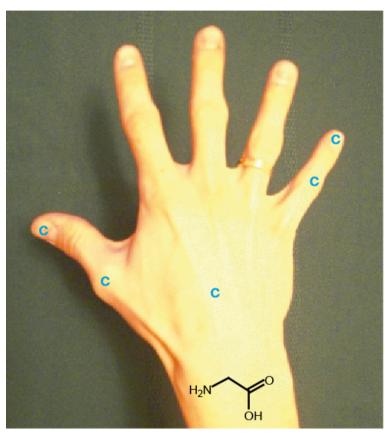
Amino Acids Are Easy

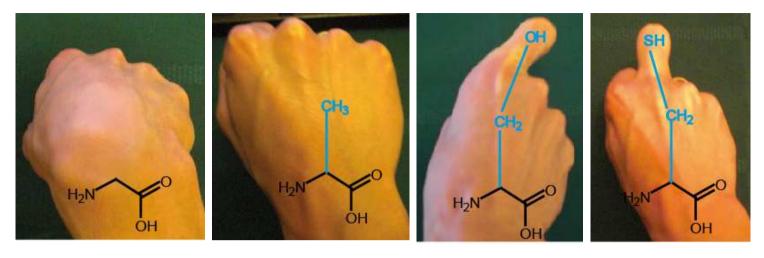
Learn how to remember 20 aminoacids using your hands.

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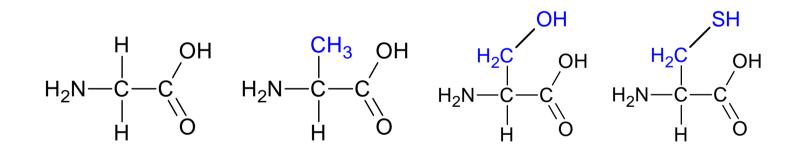
Meet the rules



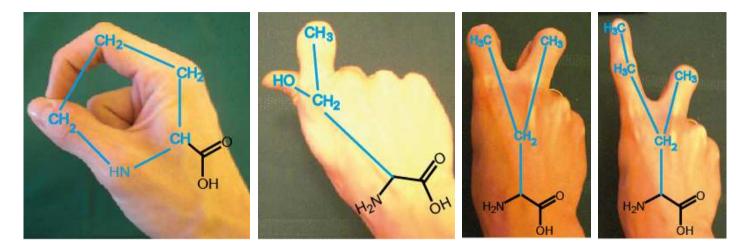
- 1. Your wrist represents backbone of amino acid and it is always the same.
- 2. First carbon atom will be always placed in the area of your palm, **including first knuckle of each finger**.
- 3. Next atoms (carbon, oxygen, nitrogen or sulfur) will occupy finger knuckles and tips (like shown for thumb and small finger).
- 4. We will bend rules a little in bigger structures:)
- 5. Be aware that some bond lengths and angles are not real:)
- 6. Hands photographed from top.



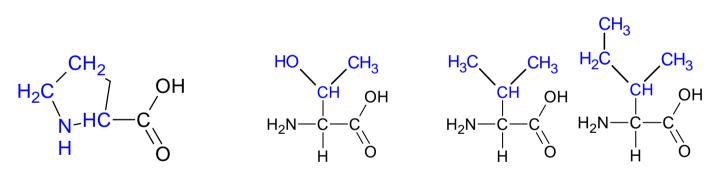
Gly Ala Ser Cys



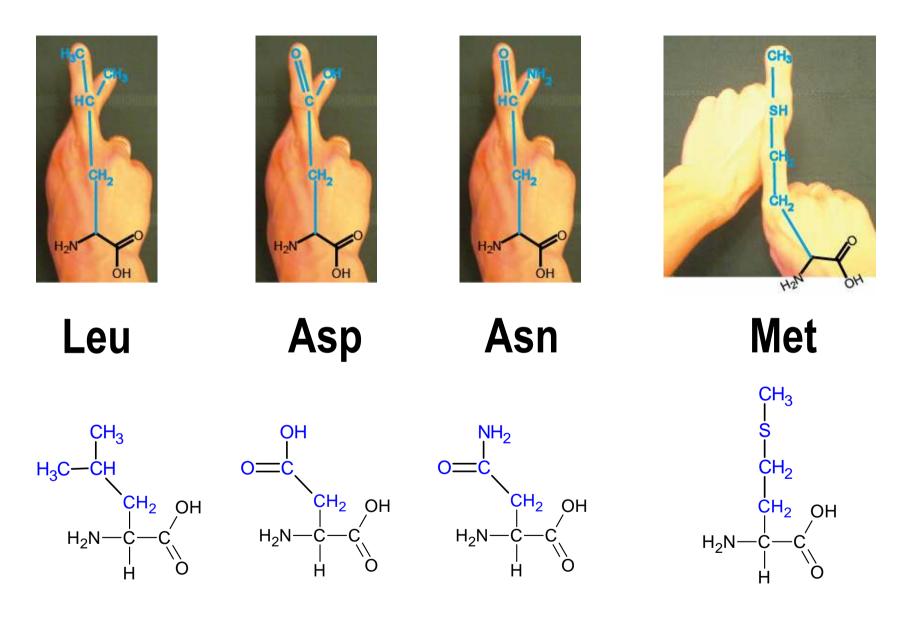
Short explenation (SE): Gly - just writst, Ala - Fist, Ser - your hand looks like S, <u>Cys - Central finger</u>.



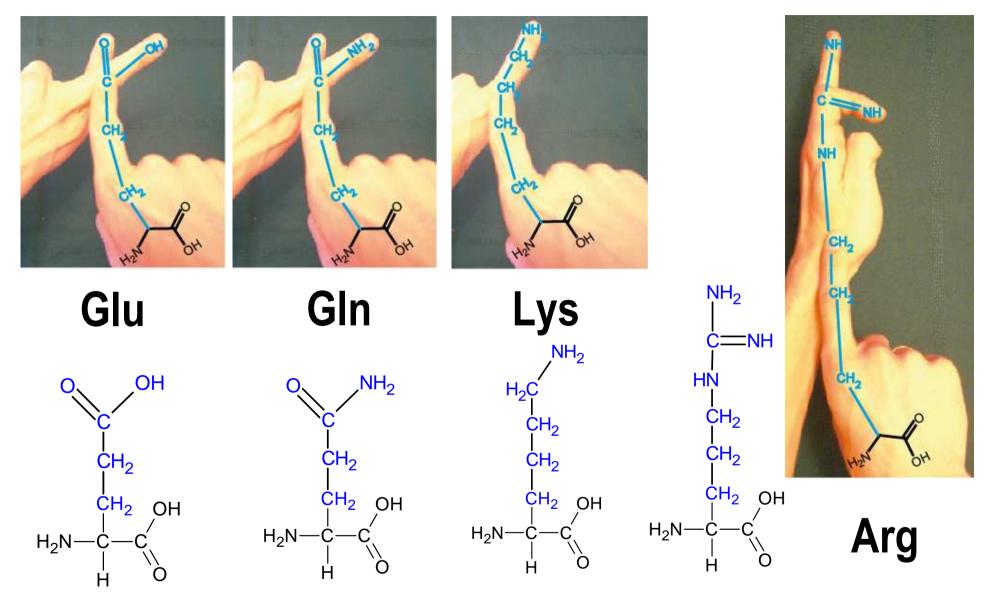
Pro Thr Val lle



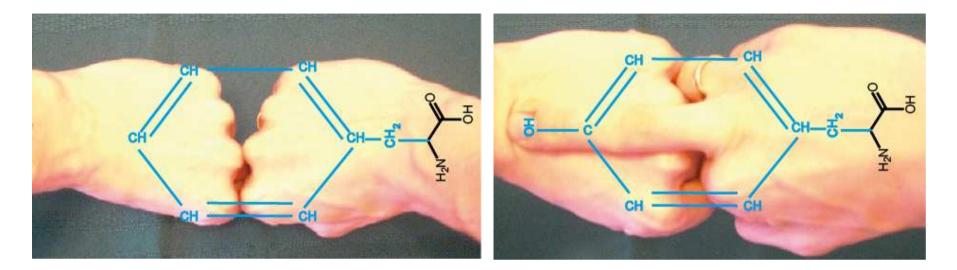
SE: Pro - for Pentagon and looks like letter P as well, Thr - Looks like T, Val - Looks like leter V, Ile - Fingers looks like I and L.

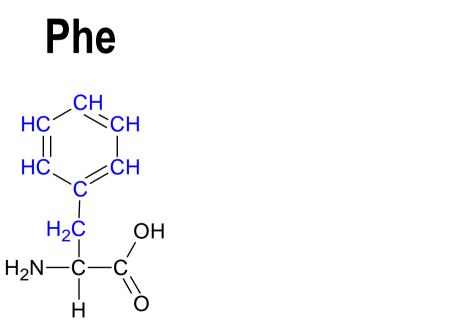


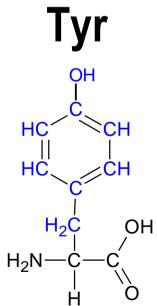
SE: Leu, Asp and Asn are exactly the same only atom and number of bonds 2/6/2010 change, Met -first picture you MET two hands.



SE: Glu, Gln are the same (again only atoms and number of bonds change), 2/6/2010 Lys - is Long and Arg- is as long as Lys but splits at the end.

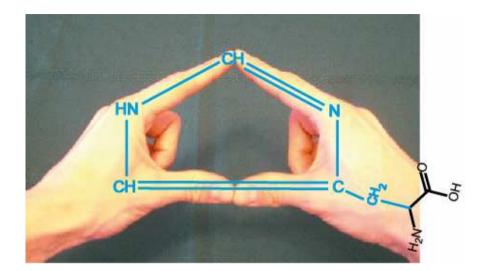


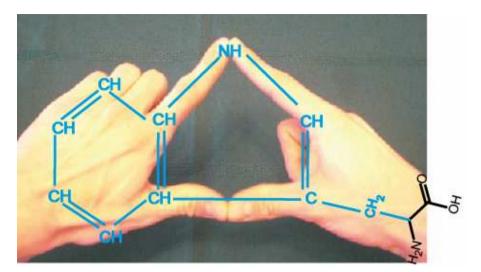




SE: I have no suggestions:), yet!!

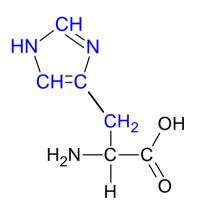
7



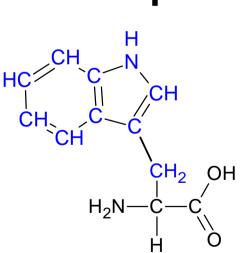








2/6/2010



SE: His - looks like house (nitrogens on the same knuckles) and Trp - house with pool (nitrogen at finger tips:)

8

I hope this will help you to remember the amino acids for good.

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