

Estrutura de proteínas

revisão

Aminoácidos

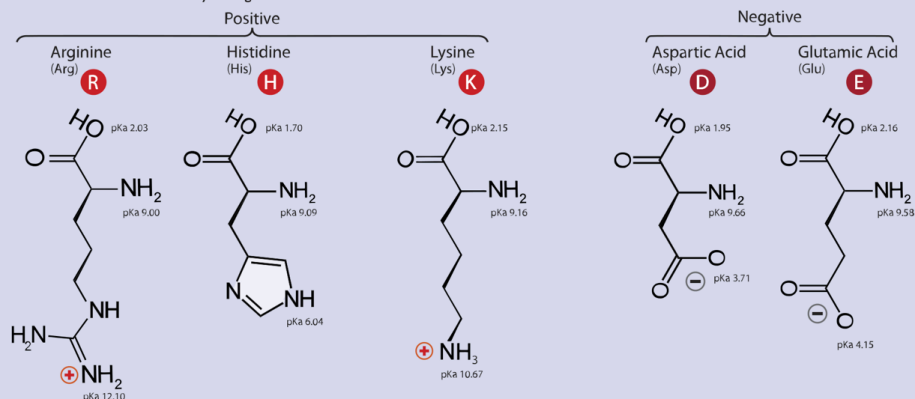
Twenty-One Amino Acids

⊕ Positive

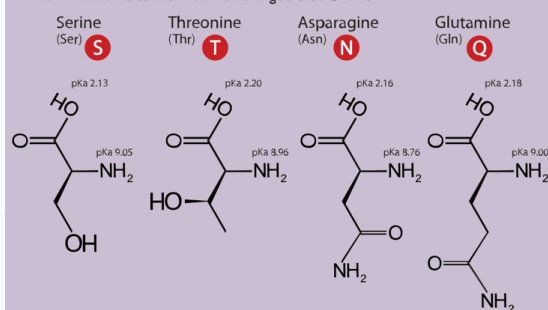
⊖ Negative

• Side chain charge at physiological pH 7.4

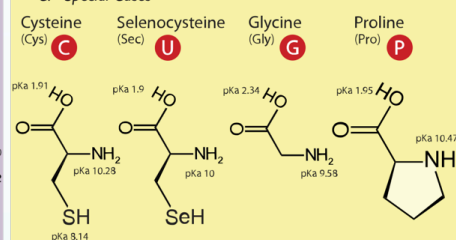
A. Amino Acids with Electrically Charged Side Chains



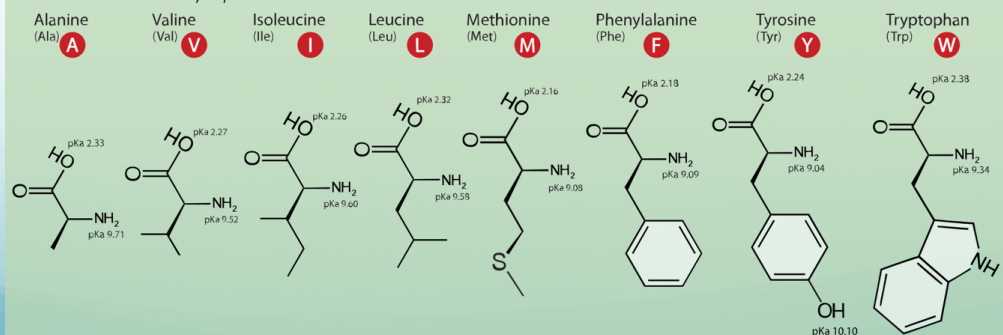
B. Amino Acids with Polar Uncharged Side Chains



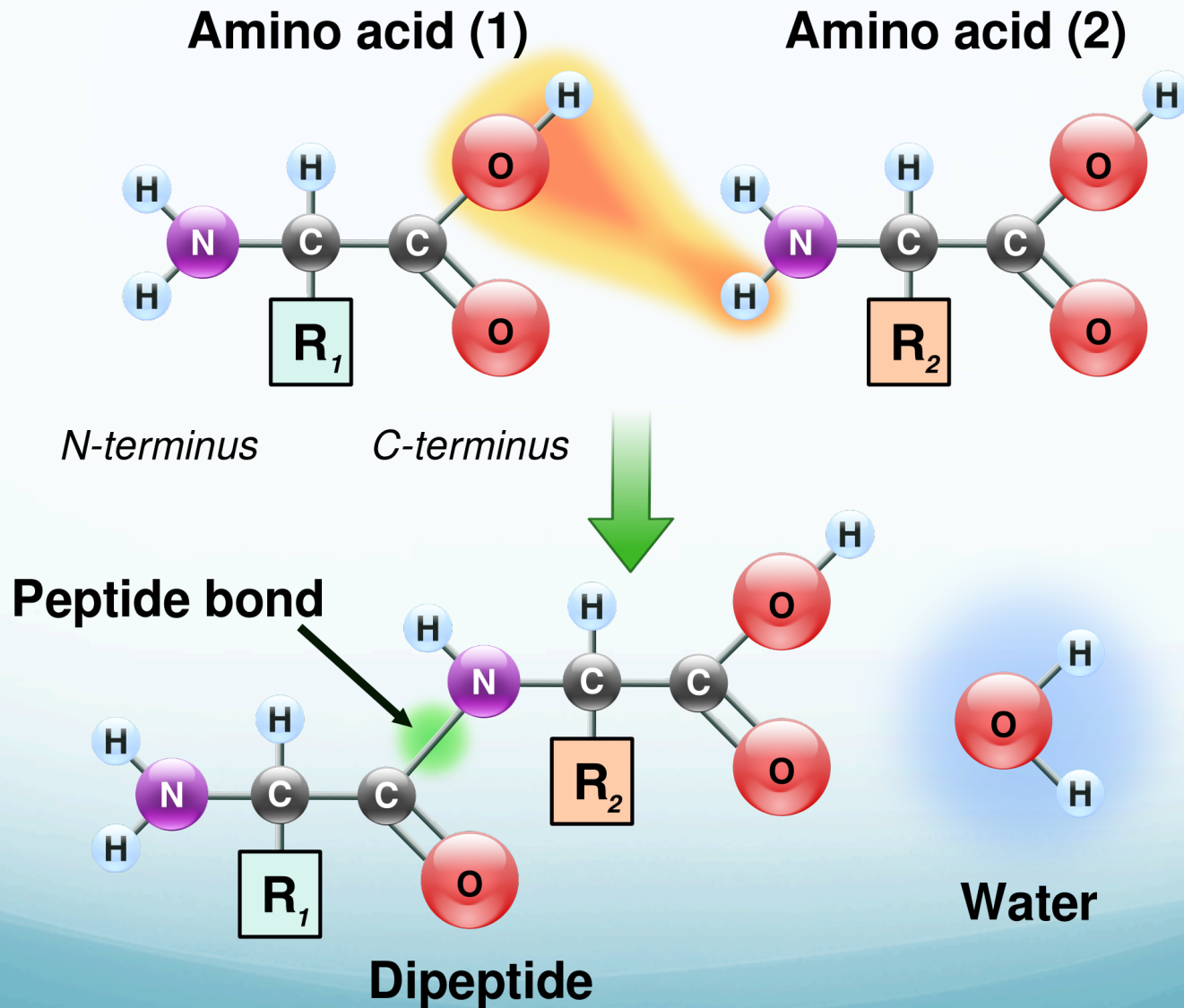
C. Special Cases



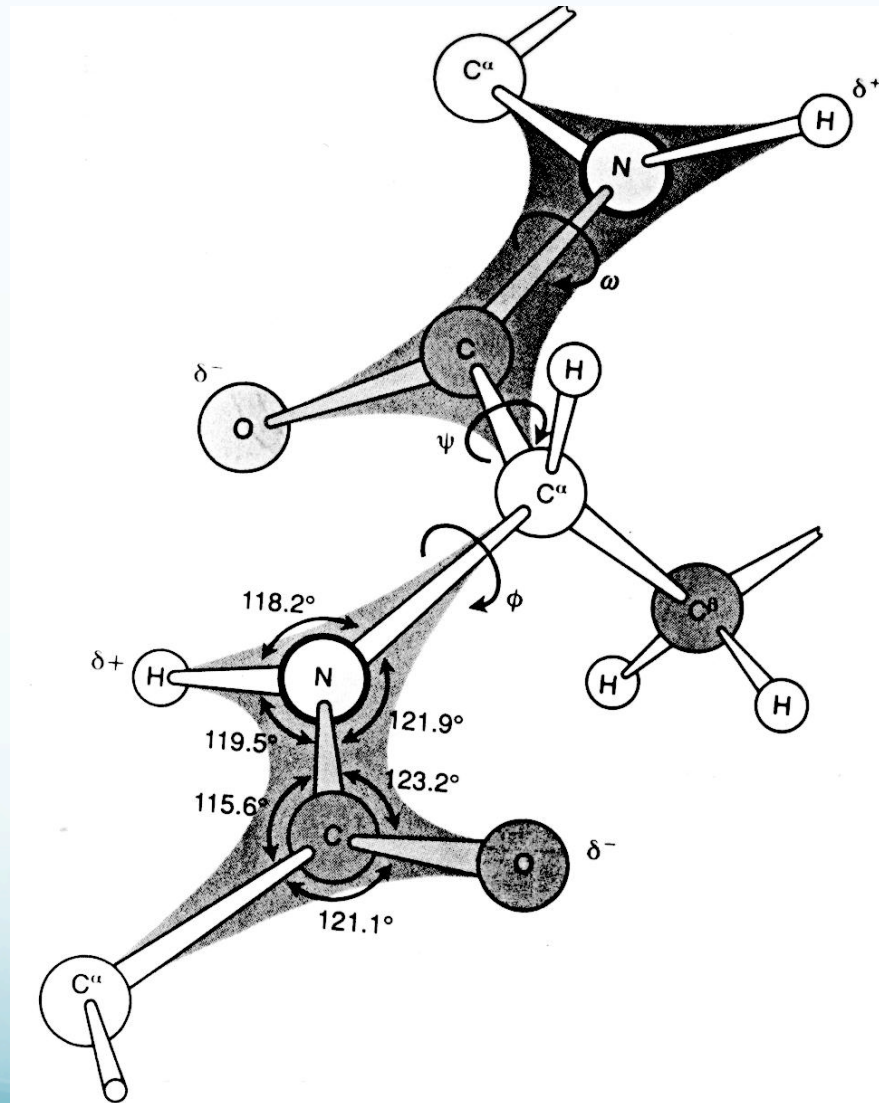
D. Amino Acids with Hydrophobic Side Chain



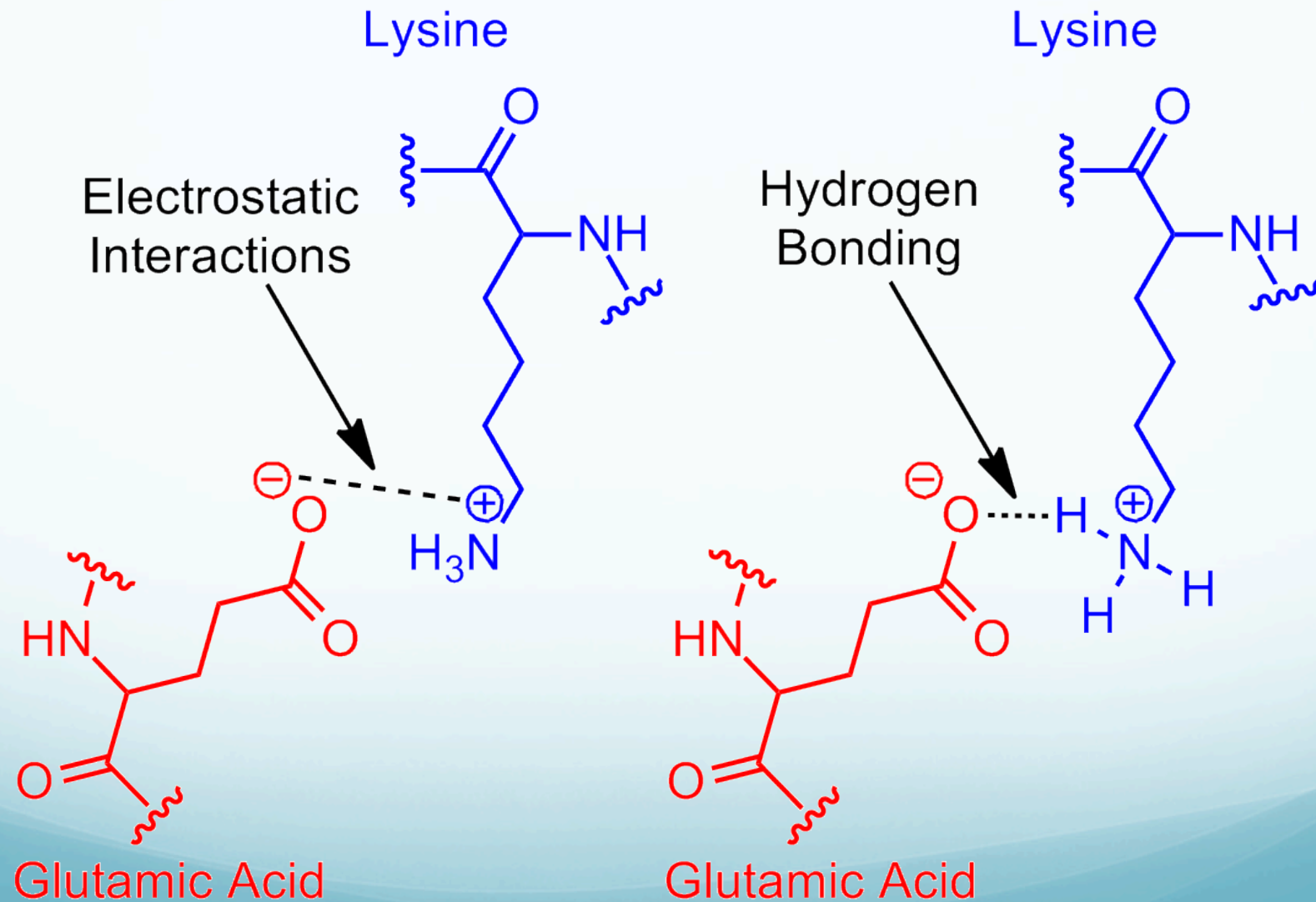
Ligação peptídica



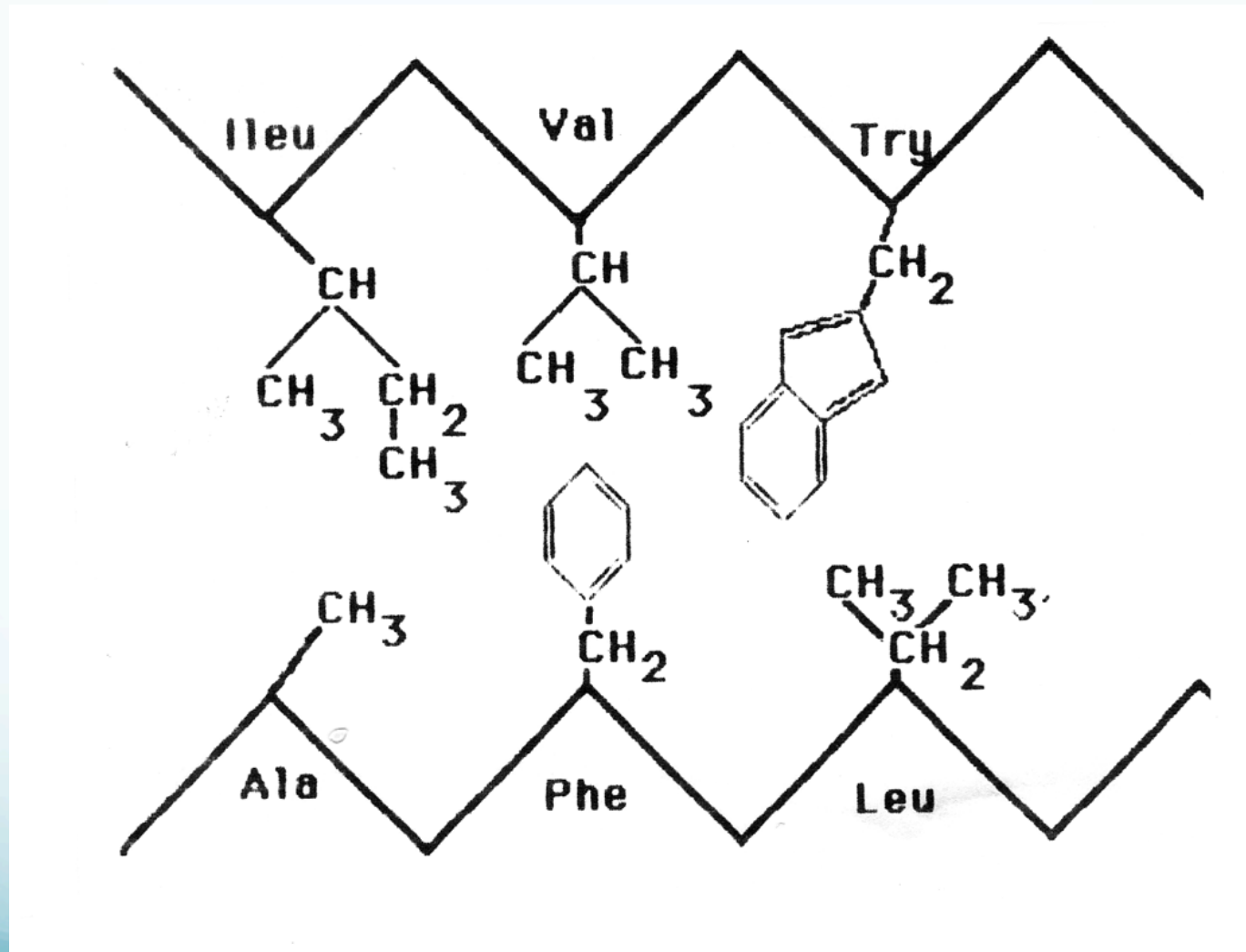
Ângulos ϕ e ψ



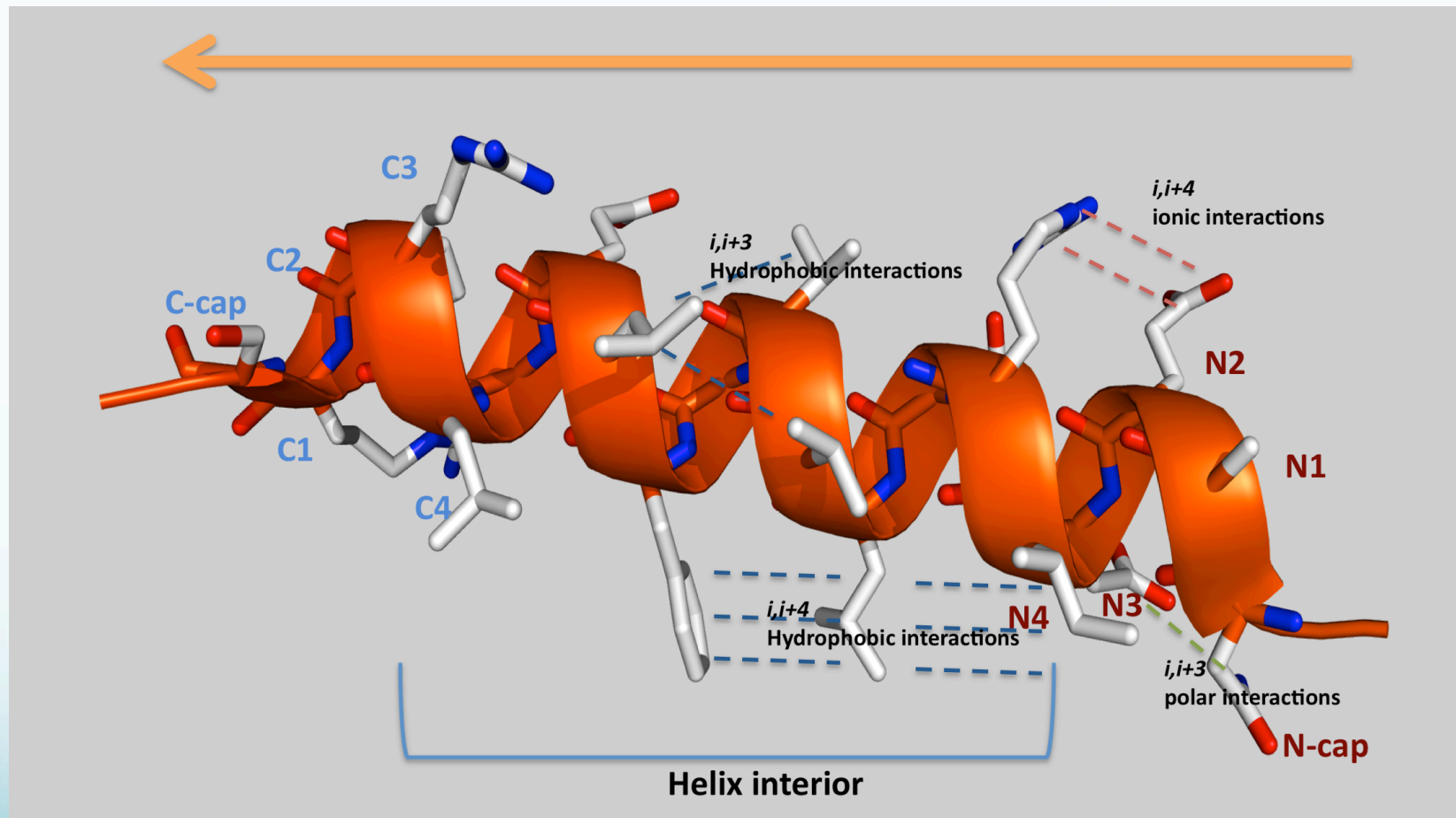
Ligações fracas



Interações hidrofóbicas



Hélice alfa

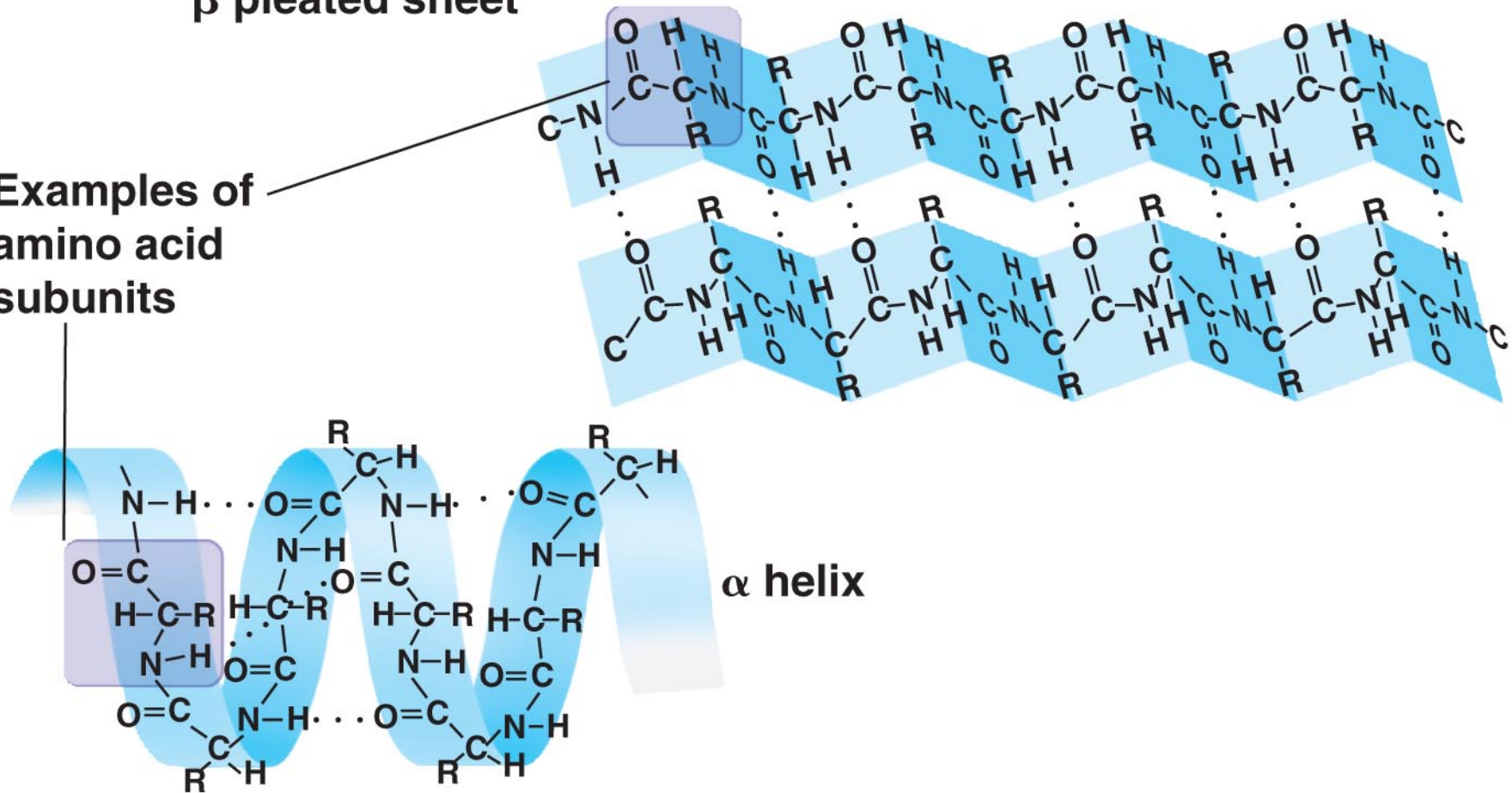


Estrutura secundária

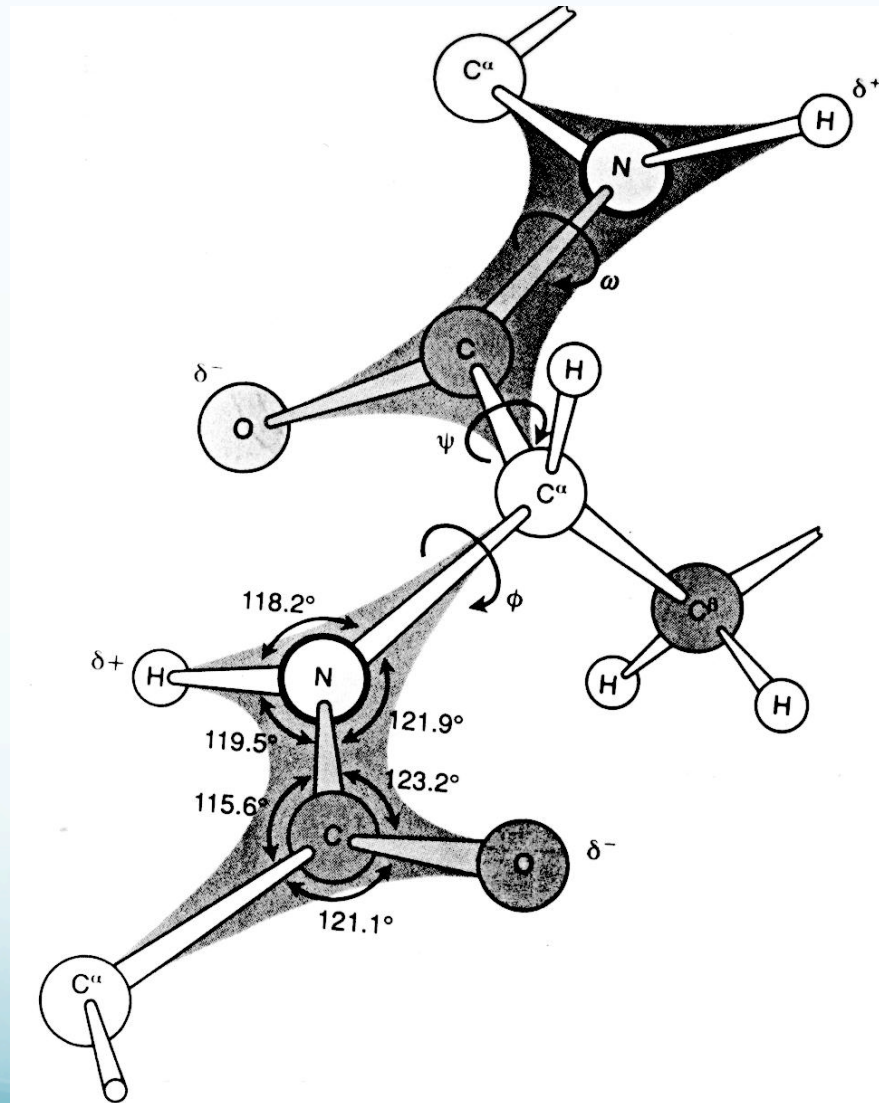
Secondary Structure

β pleated sheet

Examples of
amino acid
subunits



Ângulos ϕ e ψ



Plote de Ramanchadran

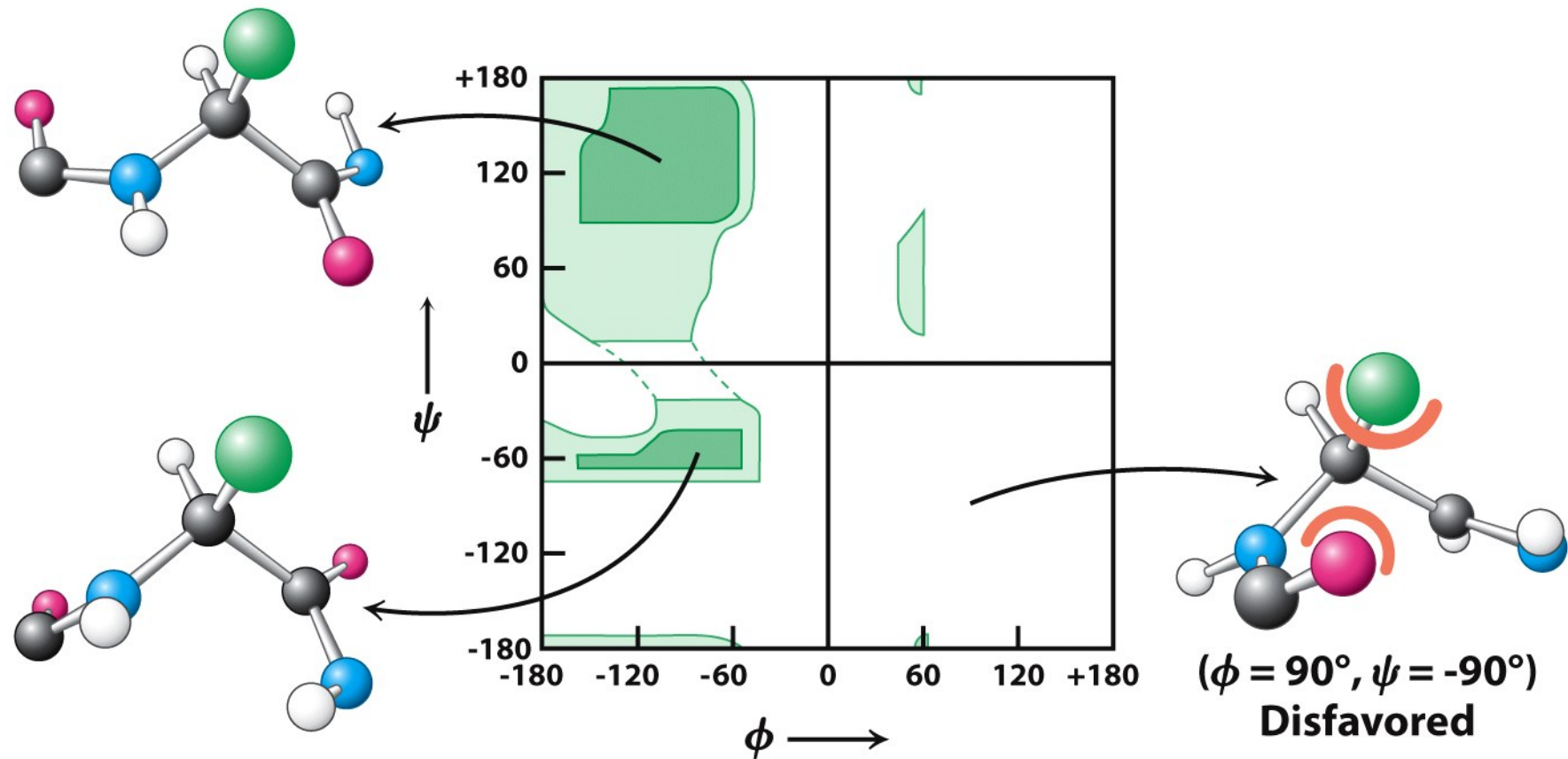


Figure 2.23

Biochemistry, Seventh Edition

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