# Carboidratos: Aldoses e cetoses, estrutura e estereoquímica

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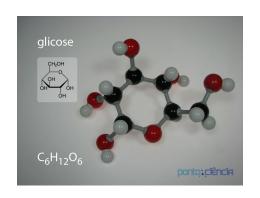
#### Carboidratos

São moléculas de poliidroxialdeídos (aldoses) e poliidroxicetonas (cetoses).

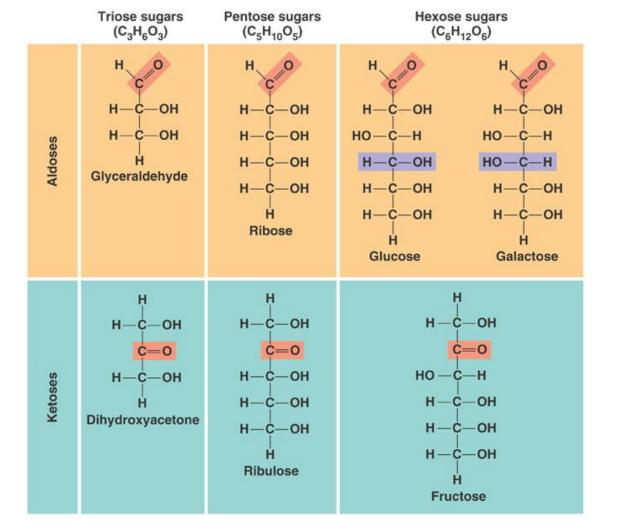
#### Com diferentes funções:

- 1) Fonte de energia
- 2) Componentes celulares
- 3) Reserva de energia

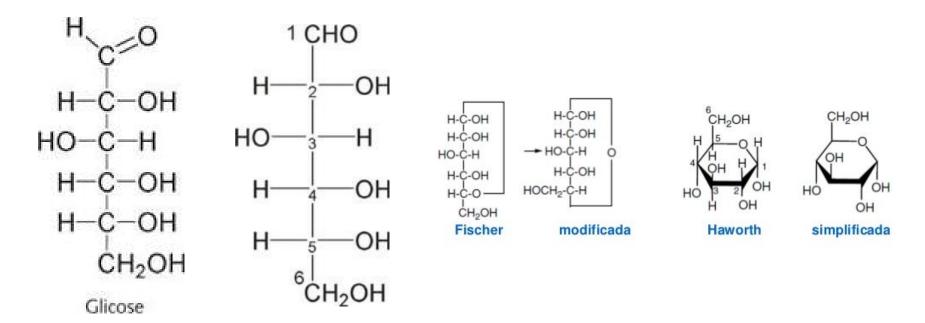
Podendo ser classificadas como: monossacarídeos, polissacarídeos e oligossacarídeos.



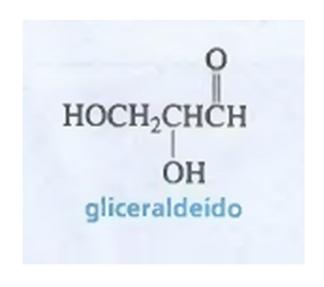
amido

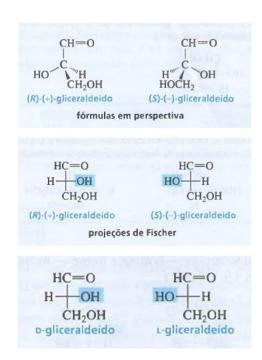


#### Estruturas

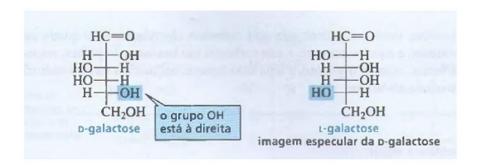


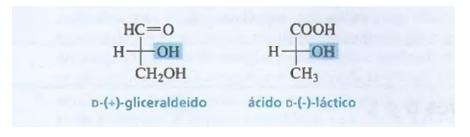
#### Nomenclatura: As notações D e L



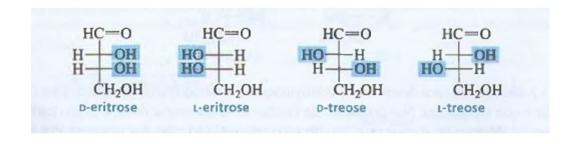


#### As notações D e L

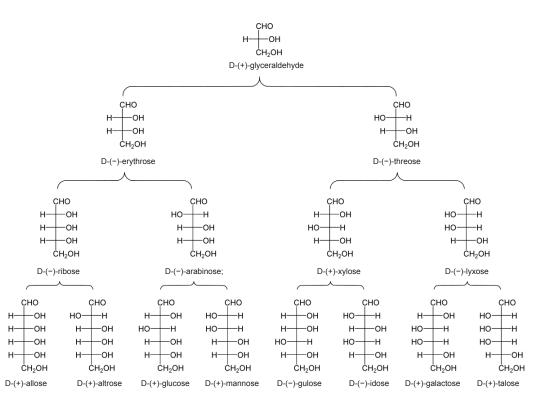




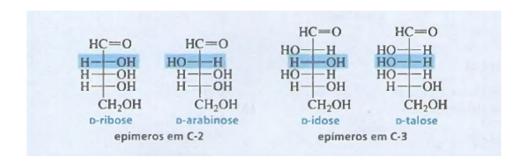
## Configurações de aldoses



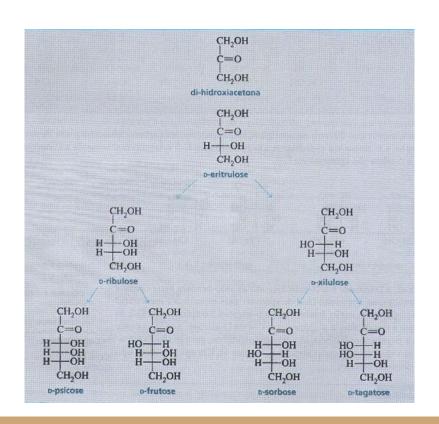
#### Configurações de aldoses



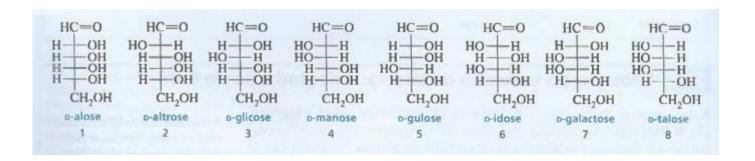
# Configurações de aldoses



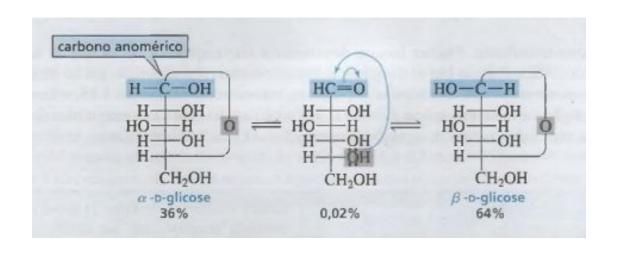
### Configurações de cetoses



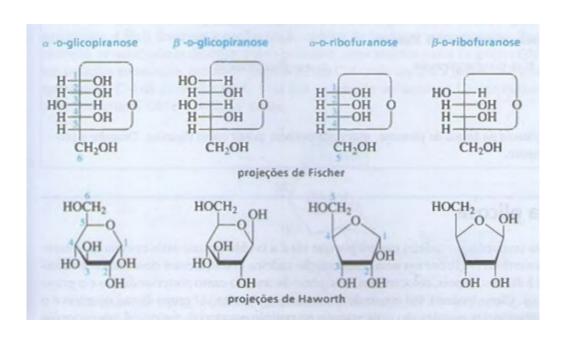
# Estereoquímica da glicose



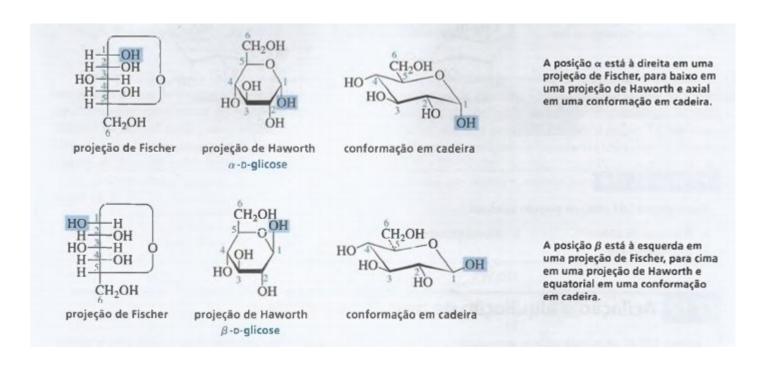
#### Estrutura cíclica dos monossacarídeos



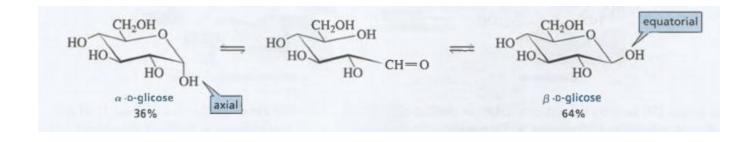
#### Estrutura cíclica dos monossacarídeos



#### Estabilidade da glicose



# Estabilidade da glicose



# Referências bibliográficas

1) VOLLHARDT, KURT PETER CSCHORE, NEIL E. Organic chemistry. 3. ed. New York [u.a.]: Freeman, 2011. P. 1117-1119

2) BRUICE, P. Organic chemistry. Traducao . 4. ed. São Paulo: Pearson Education, 2006. p. 335-340, 346-352