

STEREOCHEMIA ORGANICZNA

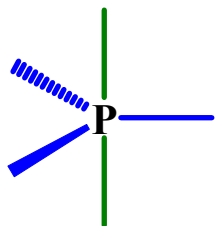
Sławomir Jarosz

Wykład 2

Stereoizomeria związków pięcio-koordynacyjnych

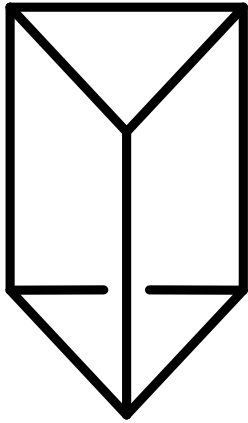
Stereochemia jest znacznie bardziej skomplikowana

Czy związek Paabcd jest chiralny?



Znaleźć elementy symetrii
Określić grupę punktową

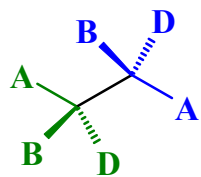
Ćwiczenie !!!



Znaleźć elementy symetrii

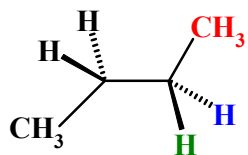
Wskazać grupę punktową

Konformacje, rysowanie wzorów

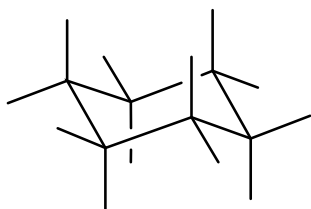


Projekcja NEWMAN'a

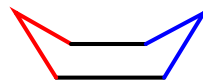
Konformacje butanu



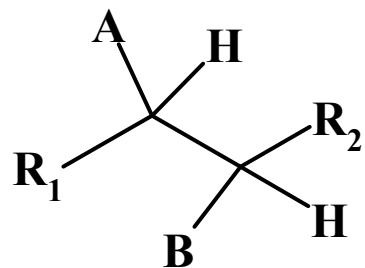
cykloheksan



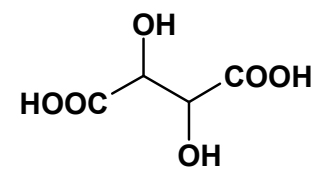
Projekcja NEWMAN'a

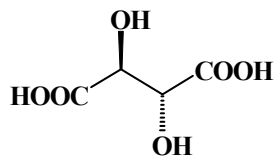
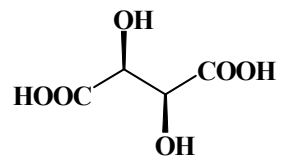
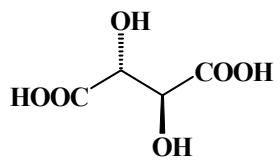
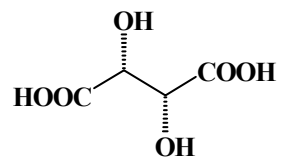


Układy z dwoma centrami stereogenicznymi

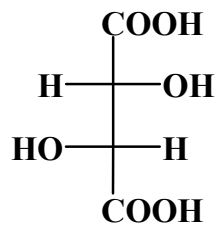


kwas winowy



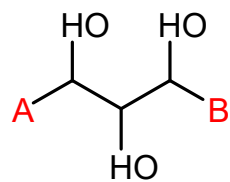


Rysowanie „płaskie”; Krzyż Fischera



itd.

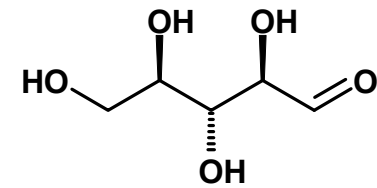
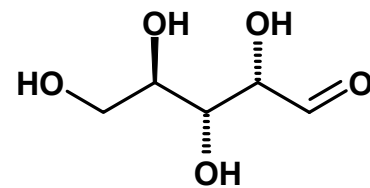
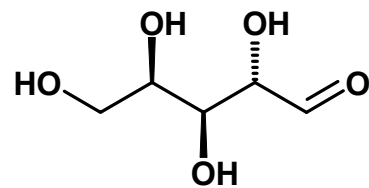
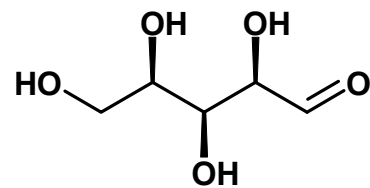
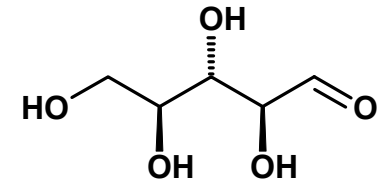
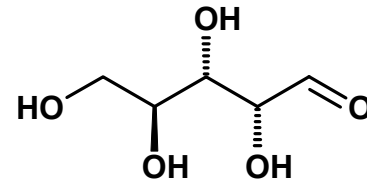
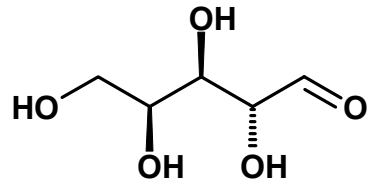
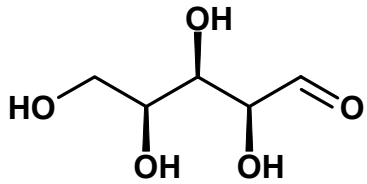
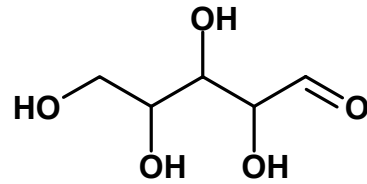
Układy z trzema centrami



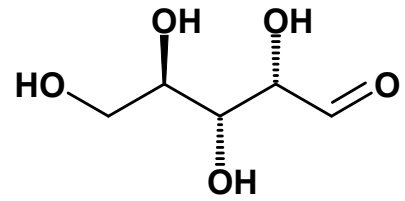
CUKRY (CH₂O)_n

Tetrozy, pentozy, heksozy, itd.

CUKRY



Jak ze wzorów zig-zag przejść na wzory Fischera??



Cukry - HEKSOZY **$C_6H_{12}O_6$**