(26) **Today**

Sections 5.1 – 5.5 Chirality and Determining the Configuration of Chiral Centers

(28) Second Class from Today

Chap 6

Sections 5.6 – 5.12 Diastereomers, N,P, and S, and Prochirality

Third Class from Today (29)

Chap 6

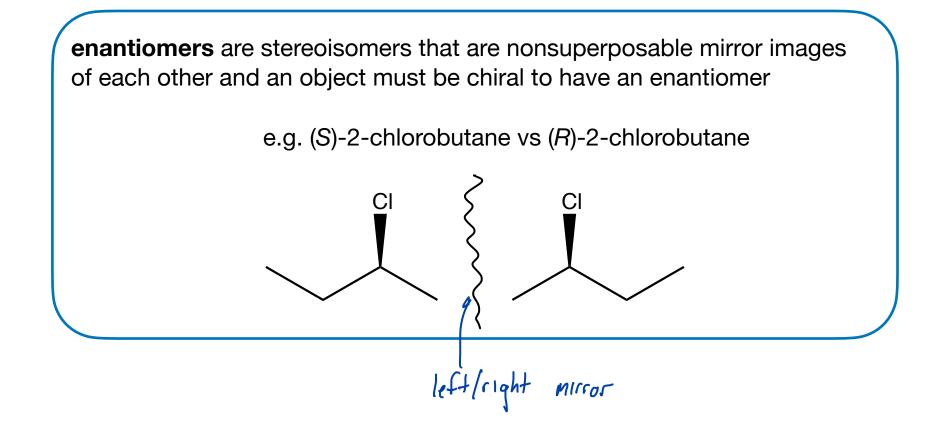
Next Class (27)

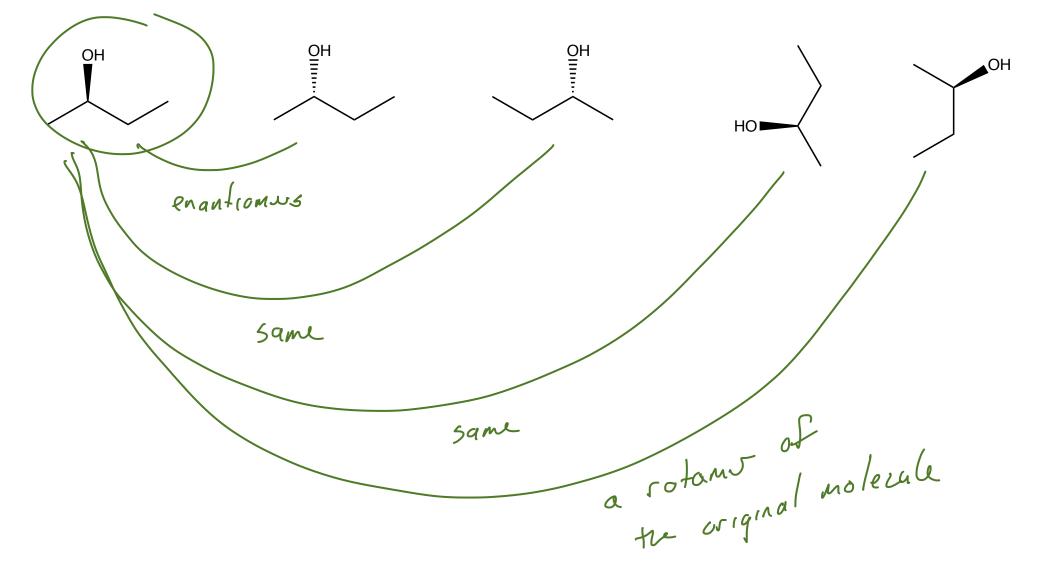
Definitions

stereoisomers are molecules that have the same connectivity but different 3-D relationships between parts of the molecules

e.g. (*R*)-2-chlorobutane vs (*S*)-2-chlorobutane

The word **enantiomer** describes the relationship between two stereoisomers.



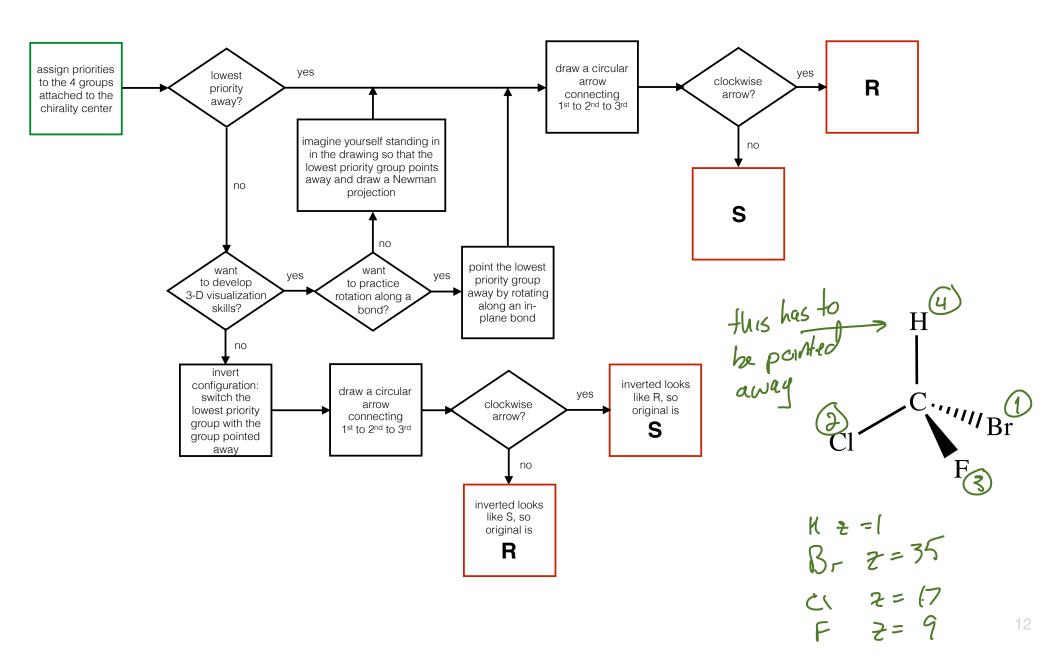


Nomenclature: the *R*,*S* system

assign highest priority 1st to highest atomic #

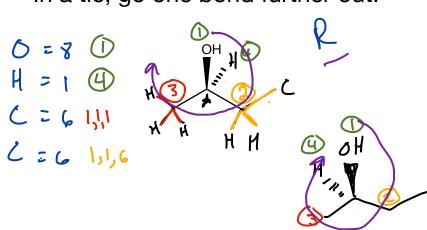
Section 5.1 – 5.5

Determining Configuration (R vs S)



Practice determining the configuration of centers of chirality

Priorities are based on the atomic number of the atoms bonded to the chiral center. Highest atomic number is 1st place to lowest atomic number in 4th place In a tie, go one bond further out.



Solonds diago

