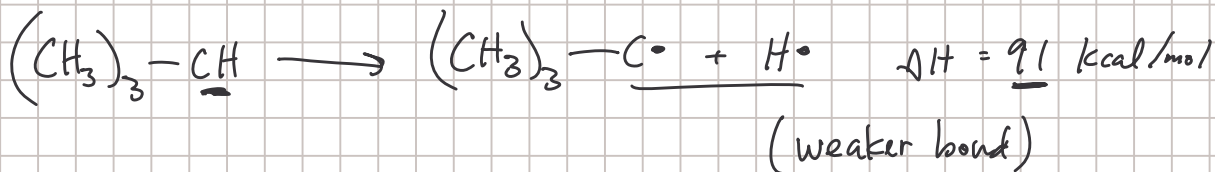
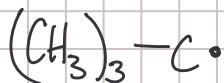
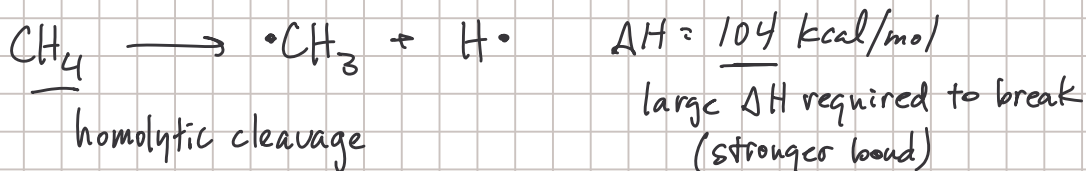
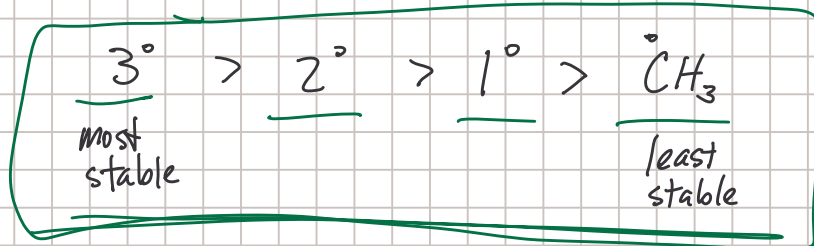
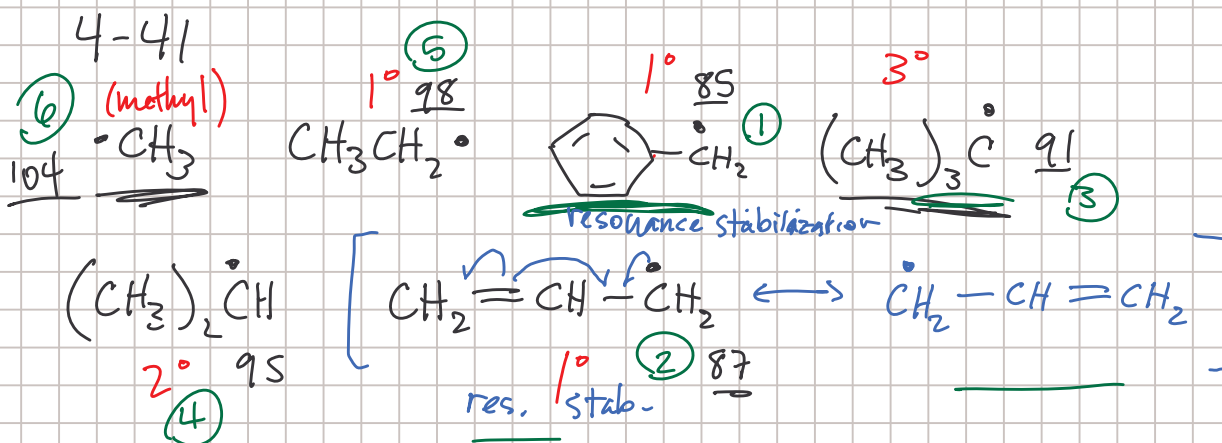


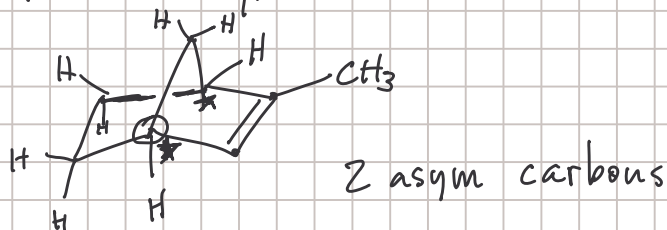
Ch 5

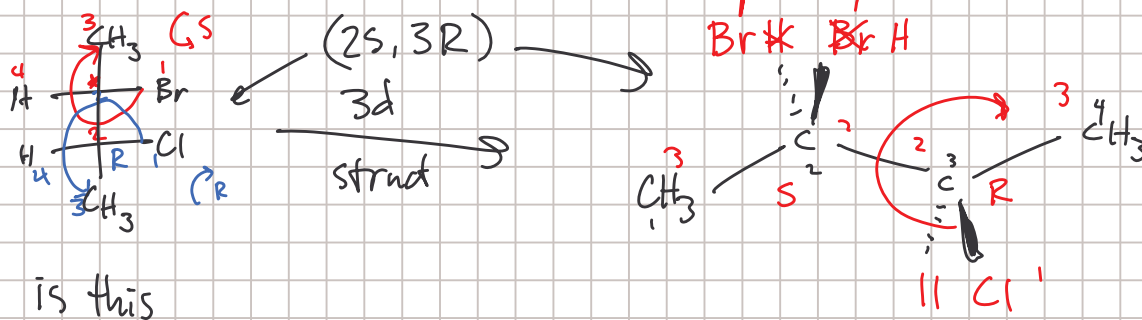
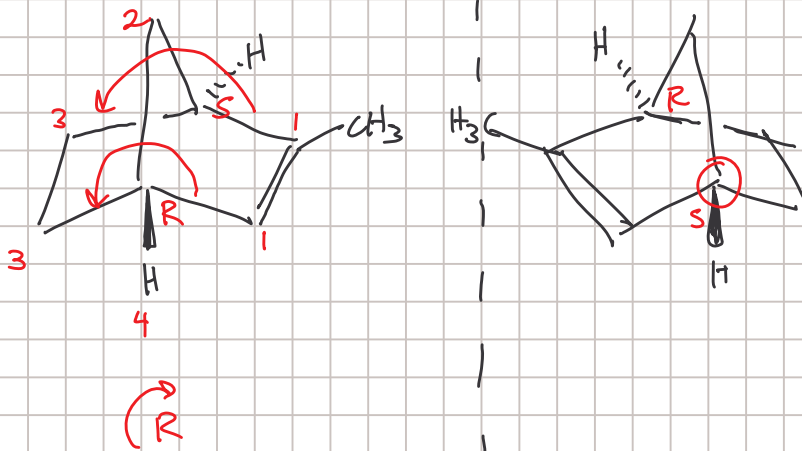
Note Title

10/4/2005

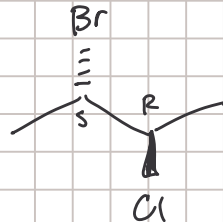


Star all asym. carbons.

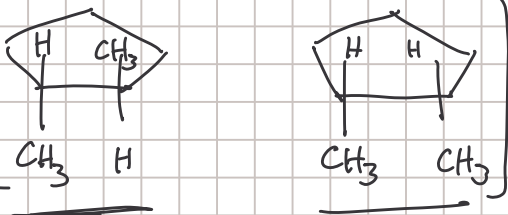




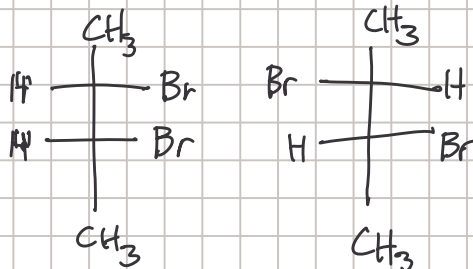
is this
what I drew?;



these are diastereomers too!



What is the relationship
between these 2 molecules?



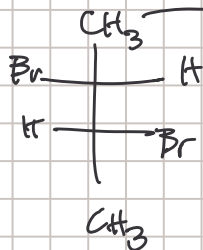
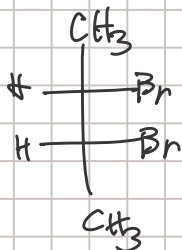
not cis-trans isomers

Same compound? no
enantiomers? no
stereoisomers? yes
(differ only by orientation of groups)
Cis/trans isomers? yes!

Dia stereoisomers → Dia stereoisomers

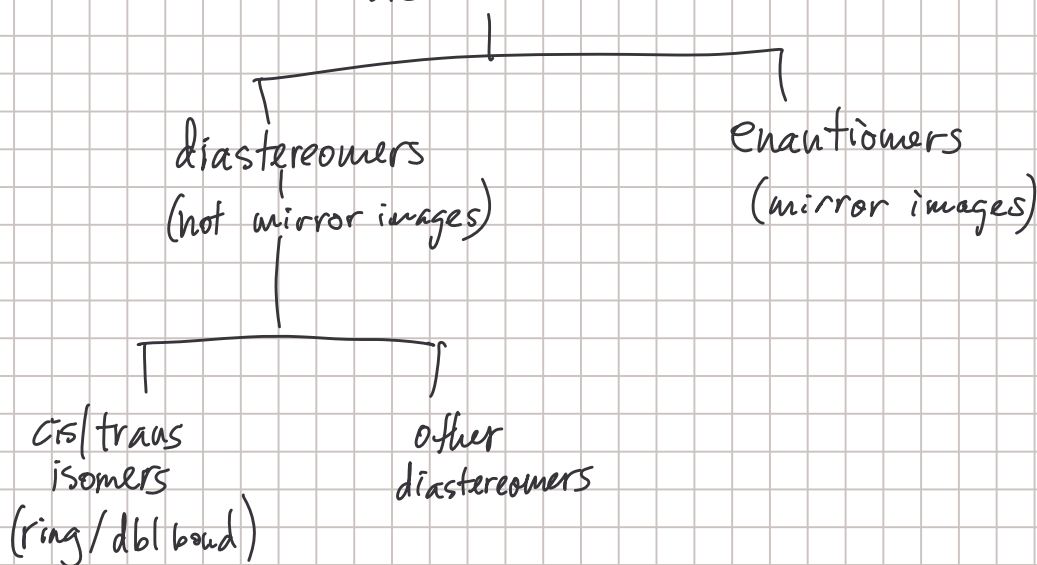
Any group of stereoisomers that are

NOT enantiomers.

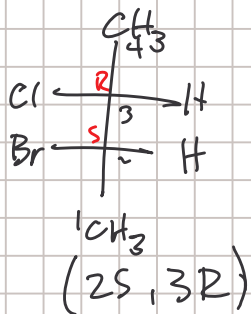
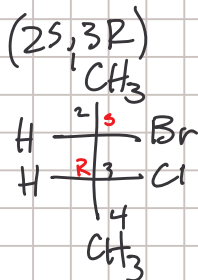


these are diastereomers

Stereoisomers

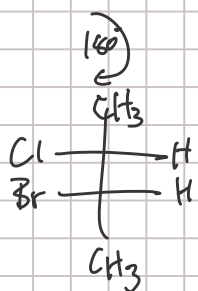


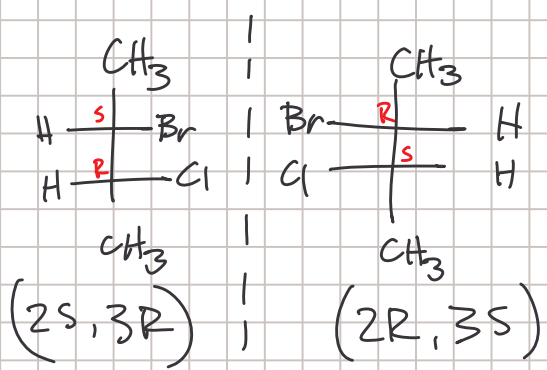
Same cpd / enantiomers / diastereomers



same compound!
(rotated by 180°)

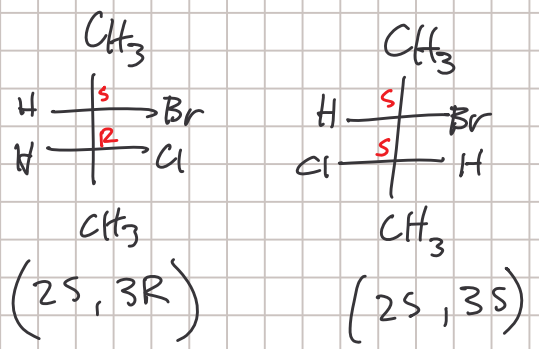
same configurations!





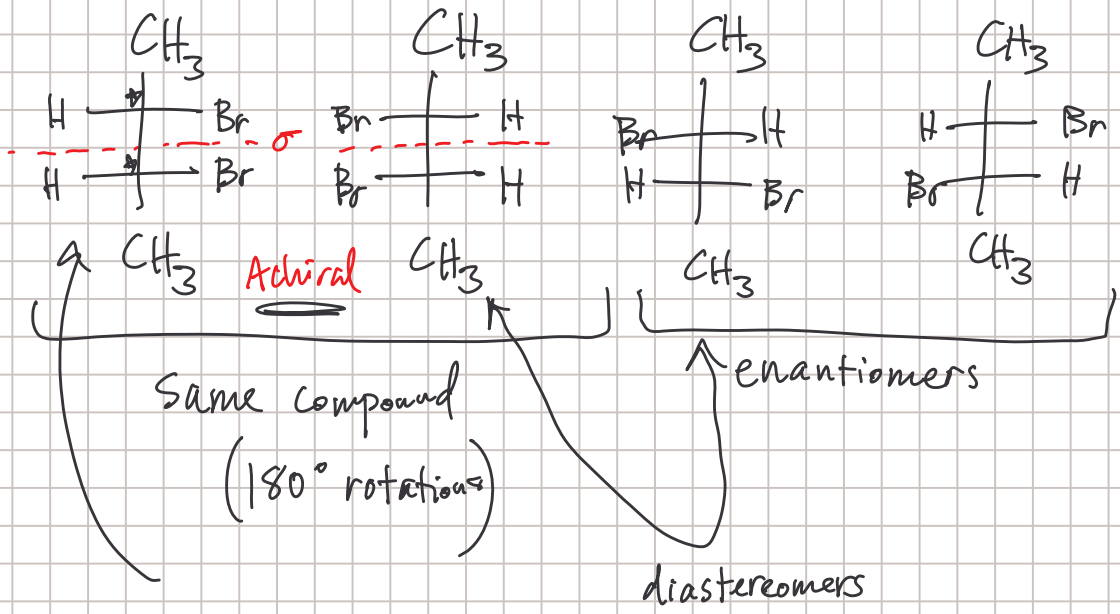
enantiomers

All C^* have opposite configurations



diastereomers

Some C^* same
Some C^* different



Meso: "meeee so" (mē-zo) (mi-zo)

any compound with asymmetric carbons that is achiral
(usually has internal mirror plane)