**Brief summary of stereochemistry concepts, ideas and `skills’**

**1)Key Language defined**

chiral

racemic

optical activity/rotation

mirror images superimposable => no rotation

mirror images not superimposable=> rotation

what is rotation ? and what instrument measures ?

enantiomer

meso structure

diasteromer

Erythro/Threo

D/L

R/S

+/-

αDT and αD; what’s D ?

Fischer structure implied orientations

(horizontal out/vertical in)

(two center structures eclipsed)

**2)Key `skills’**

* How is R/S assigned ? (process ?
* Allowed Fischer structure manipulations

a)one center case

b)two center case

In a chapter summary on Stereochemistry, you would briefly define all the relevant terms

And capture how to assign R/S and draw both 1 and 2-center Fischer structures

**In a chapter summary covering a functional group, you would:**

1) summarize all the reactions to make the functional group compounds

2) summarize all the reactions of the functional group compounds

3) summarize key mechanisms presented about the group from lecture

4) define any new terminology/vocabulary presented about the group (sample nomenclature too)