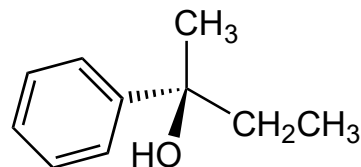
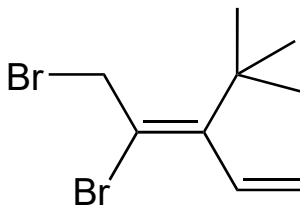
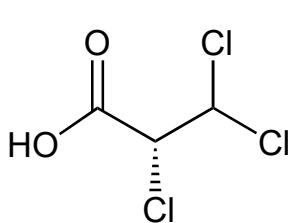
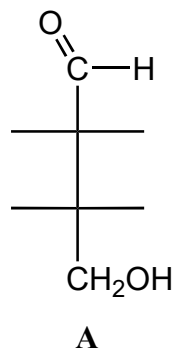
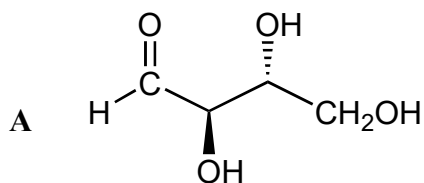


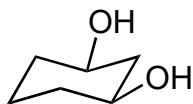
5A. (9 pts) Identify the configuration (e.g., *R*, *S*, *E*, *Z*) for each of the following compounds. **You must show your work - show the priority of each group, etc. NO WORK = NO CREDIT**



5B. (4 pts) Complete the Fischer projection for compound A.

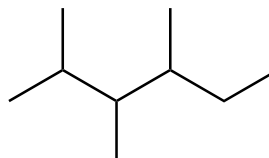


5C. (4 pts) Does the following compound have an enantiomer? Explain briefly.



5D. (4 pts) Mark all the chiral centers with an asterisk (\*) and indicate how many stereoisomers this compound has:

Total # of stereoisomers:



5E. (4 pts) Determine whether each of the following compounds is **chiral** or **achiral**.

