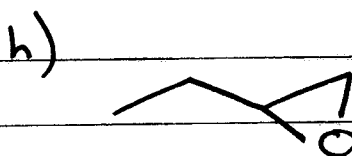
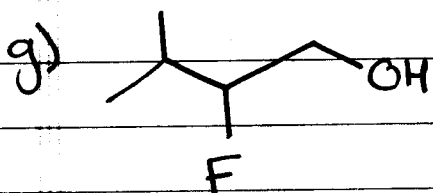
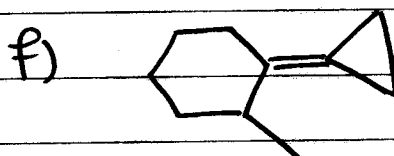
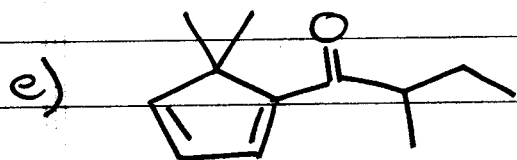
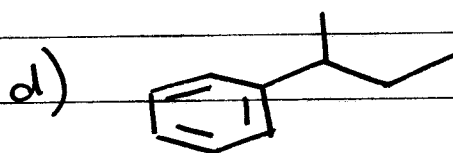
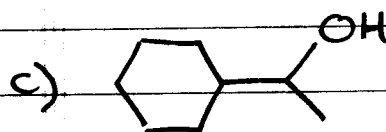
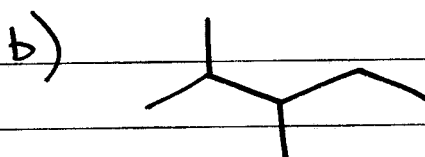
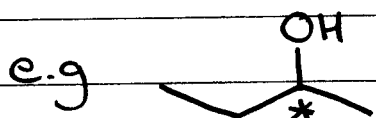


- STEREOCHEMISTRY -

①

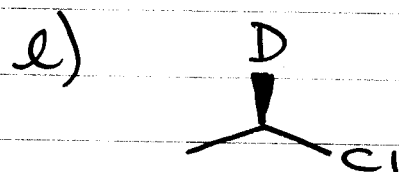
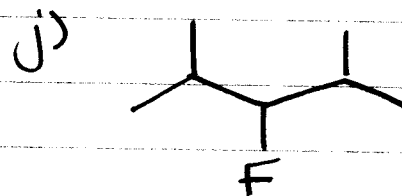
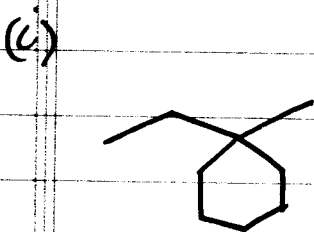
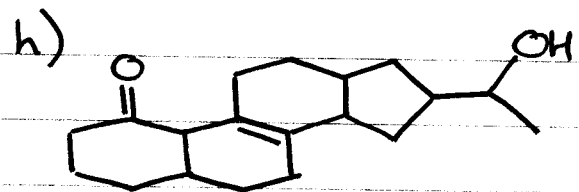
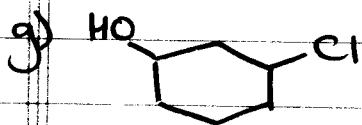
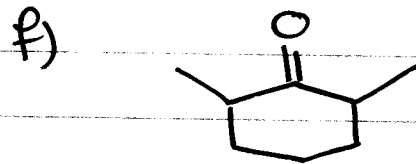
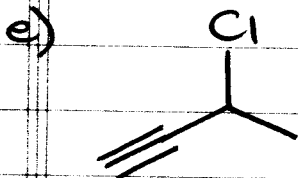
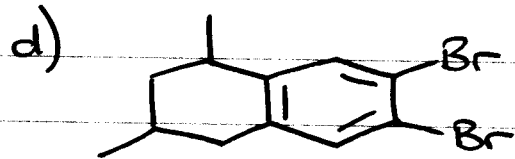
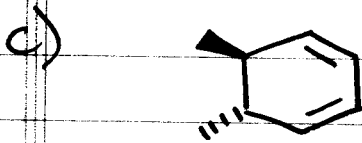
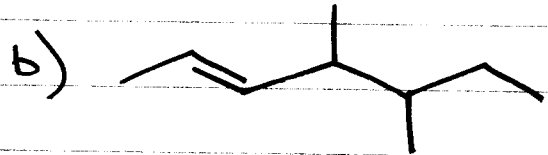
Questions taken from "Organic Chemistry as a Second Language" - David R Klein

① In each of the compounds drawn below there is one stereocenter, in each case label it with an asterisk (*)



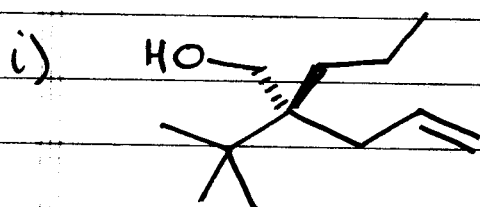
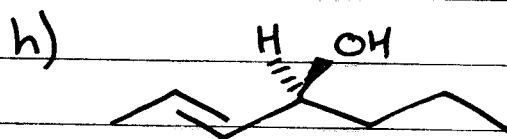
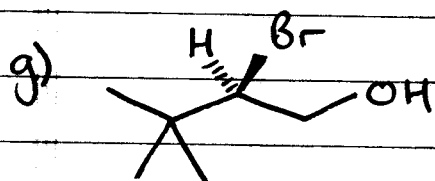
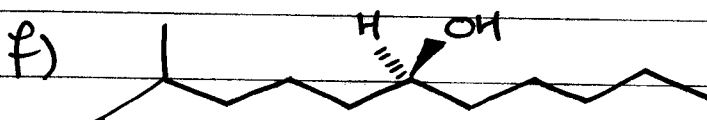
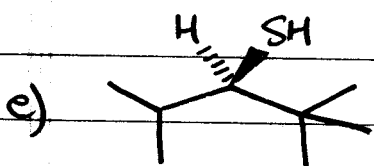
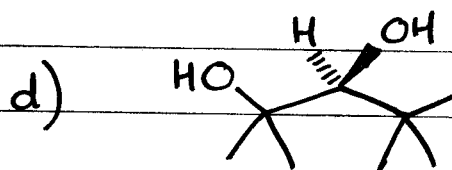
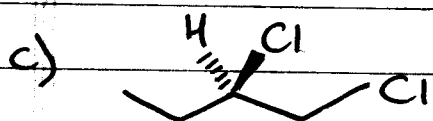
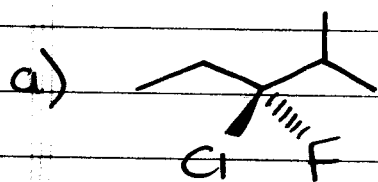
2

2) In the following compounds, label (if any) all of the stereocenters.

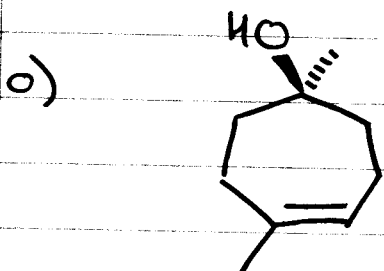
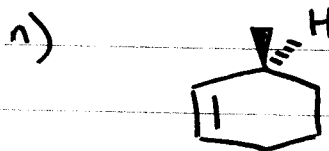
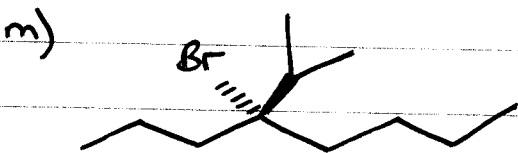
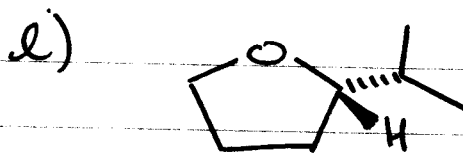
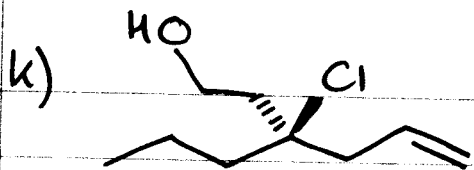


③ In the following compounds, assign the groups attached to the stereogenic center with priorities from 1 to 4, where 1 is the highest, and 4 is the lowest.

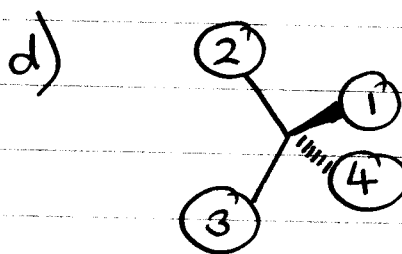
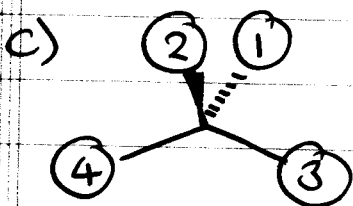
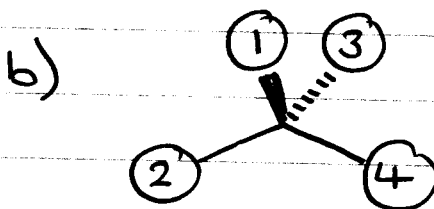
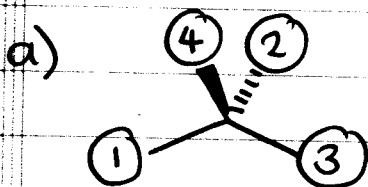
③



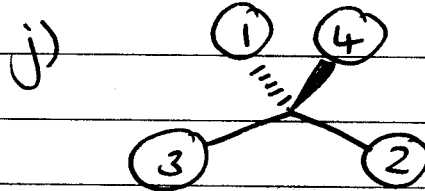
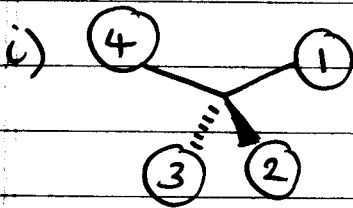
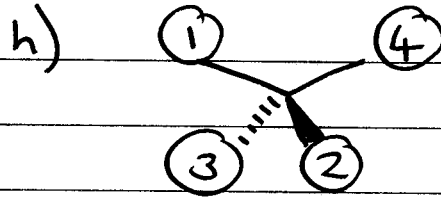
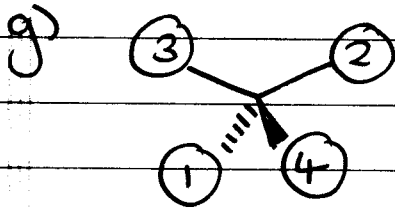
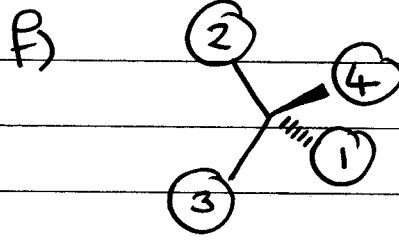
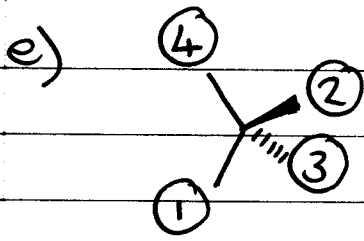
4



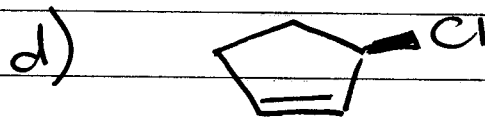
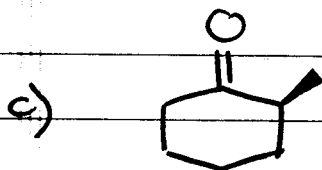
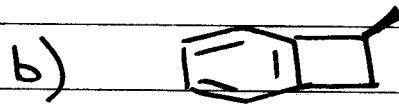
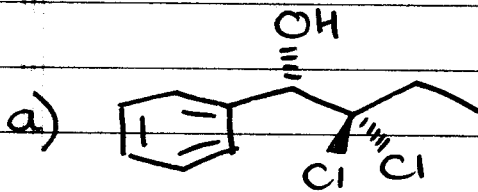
④ In each case below assign the correct configuration (R or S).



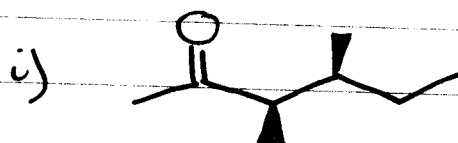
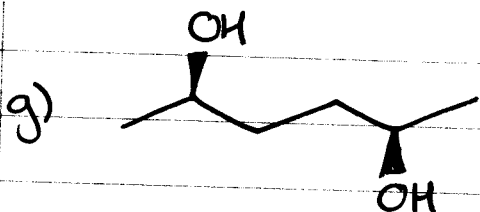
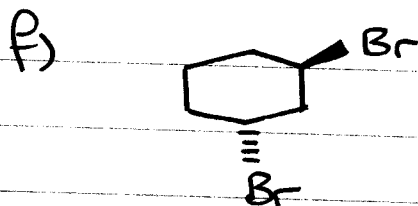
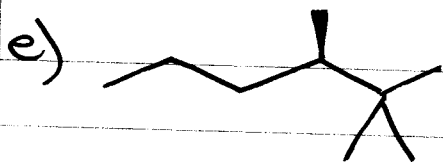
5



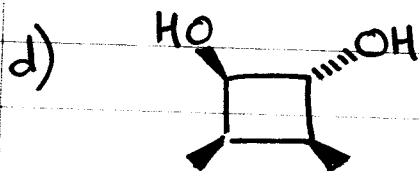
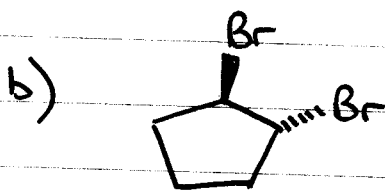
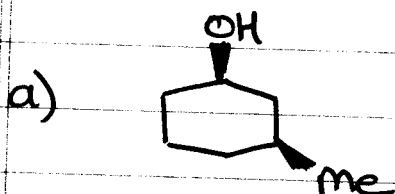
5) For each compound below, find all stereocenters and determine their configuration



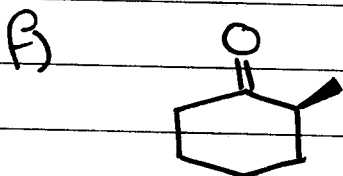
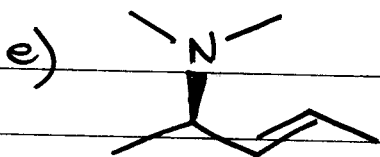
6



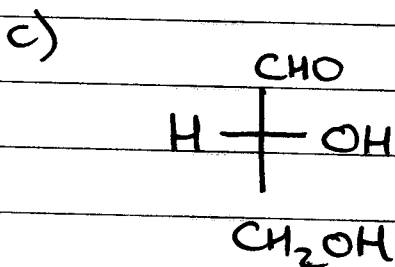
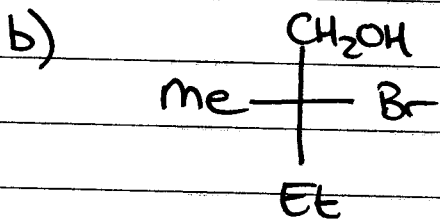
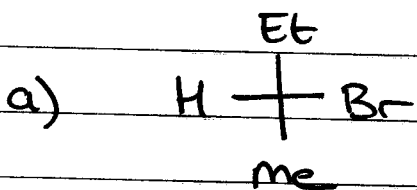
6) Draw the enantiomer for each of the following compounds.



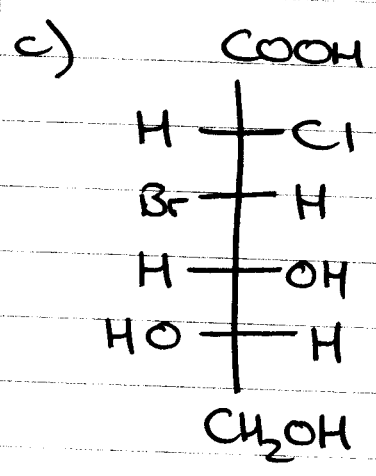
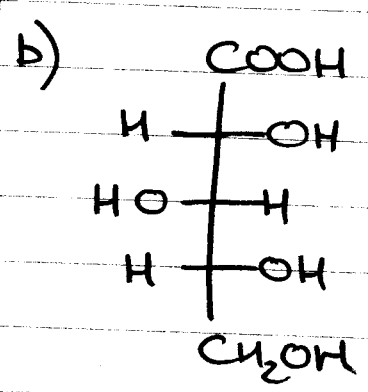
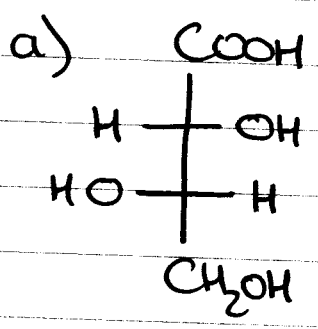
7



7) For each compound drawn below in Fischer projection, determine the configuration of the stereocenter, and then draw the ENANTIOMER



8) For each compound below (in Fischer projection) determine the configuration of every stereocenter, then draw the enantiomer of each compound.



9) For each compound below, assign an E or Z descriptor (if necessary)

9)

