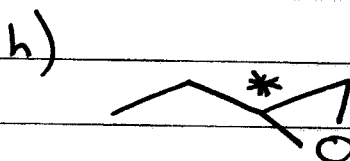
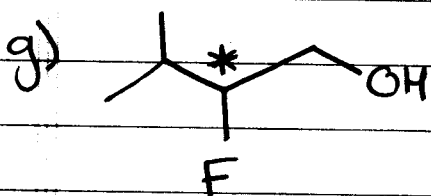
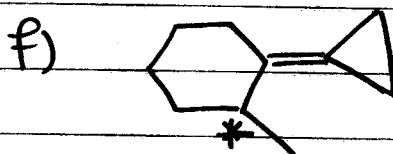
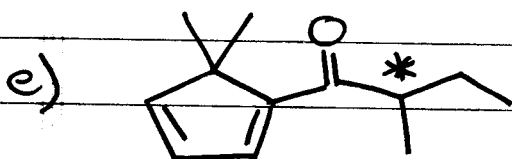
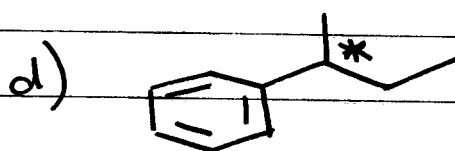
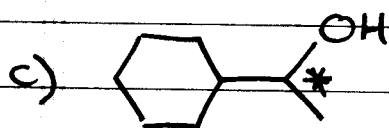
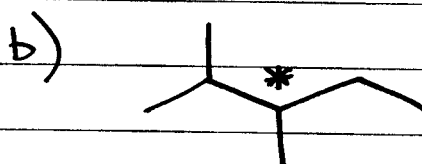
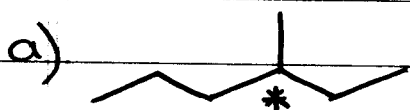
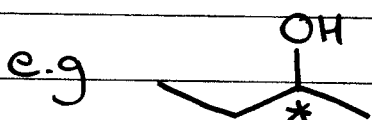


- STEREOCHEMISTRY -

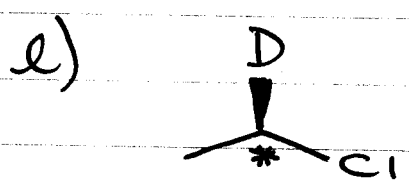
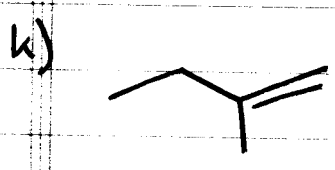
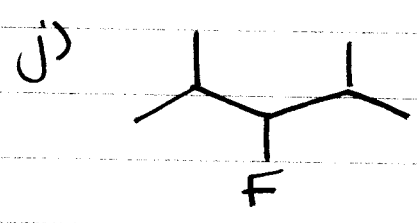
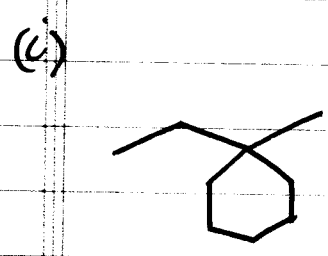
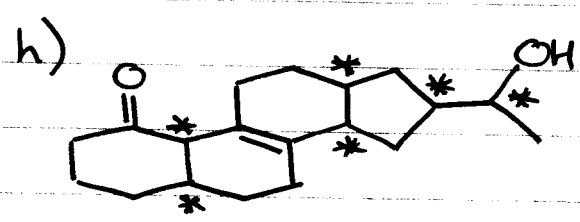
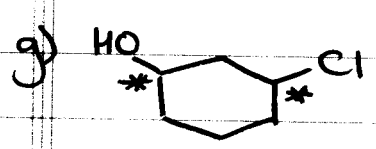
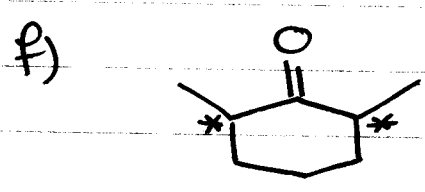
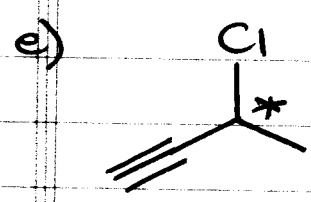
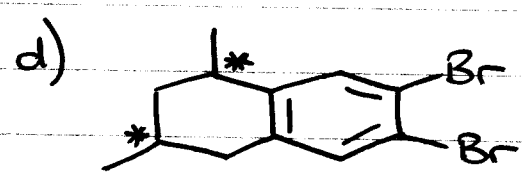
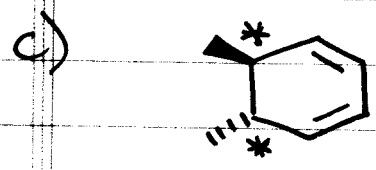
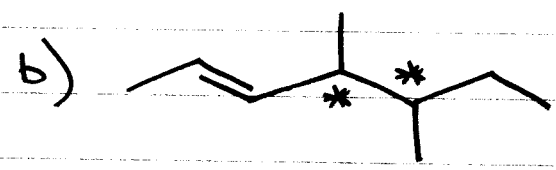
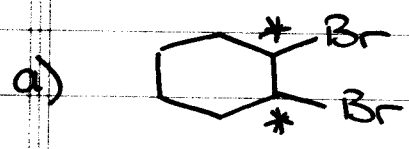
①

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 (*)

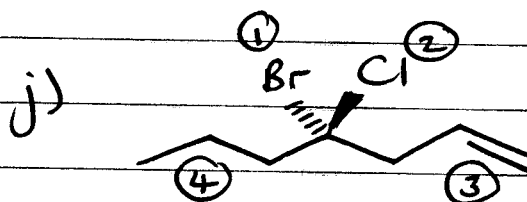
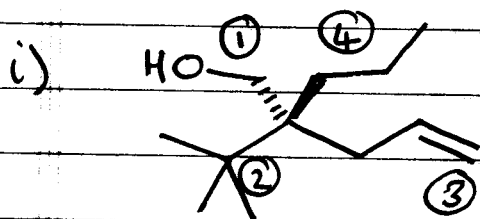
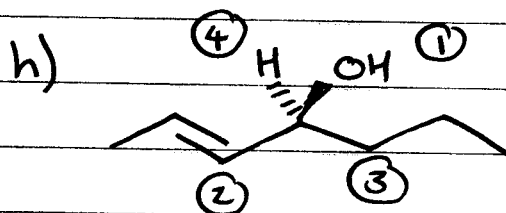
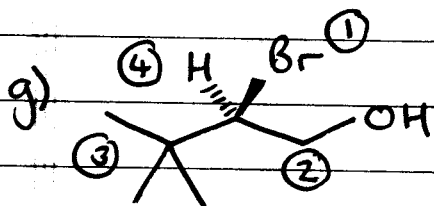
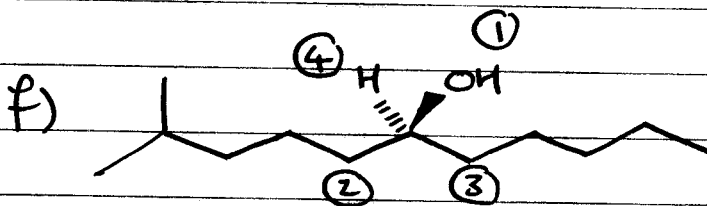
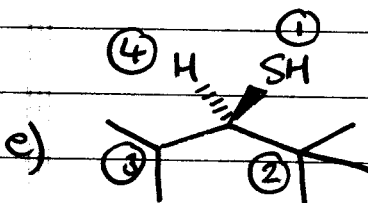
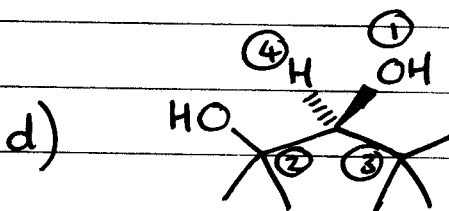
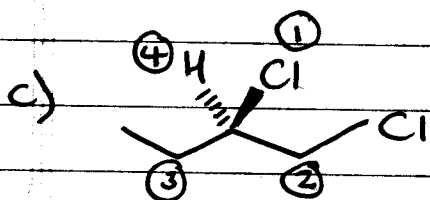
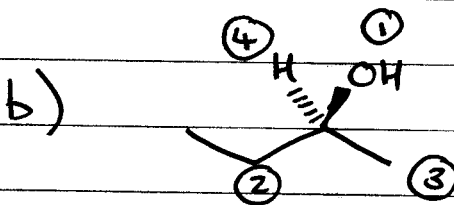
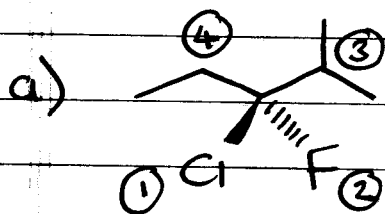


2) In the following compounds, label (if any) all of the stereocenters.

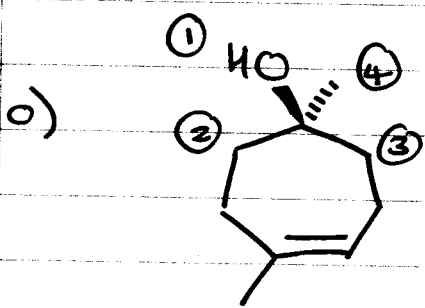
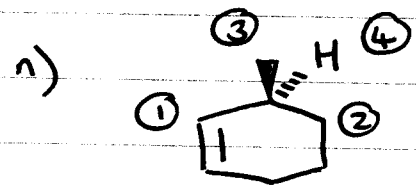
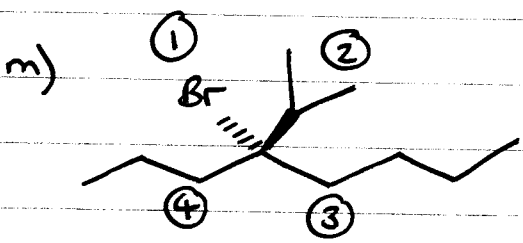
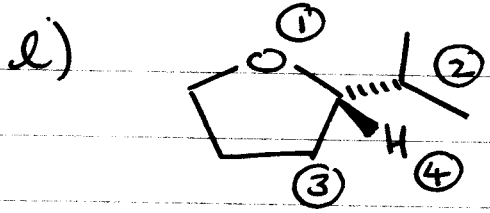
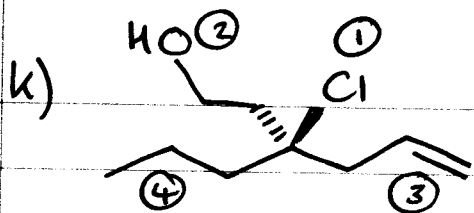


③ In the following compounds, assign the groups attached to the stereogenic center with priorities from 1 to 4, where 1 is the highest, and 4 is the lowest.

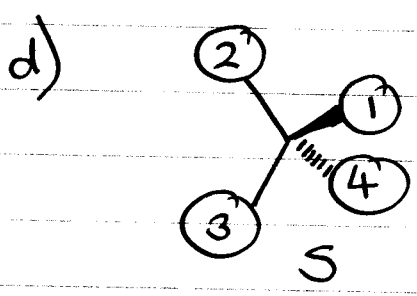
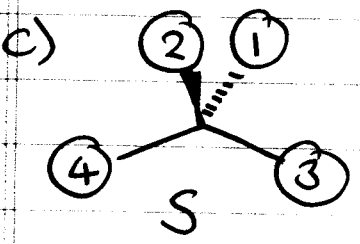
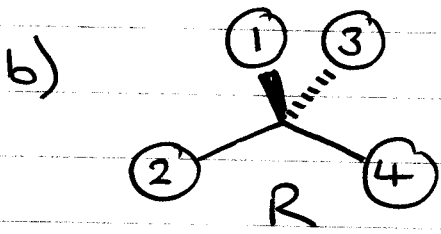
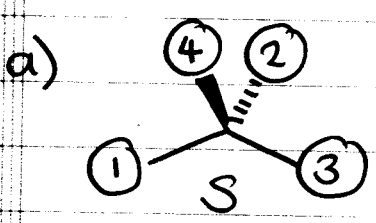
③

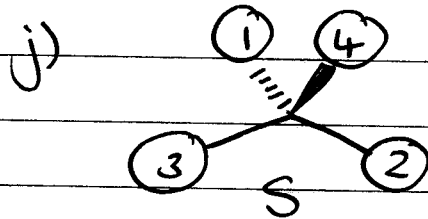
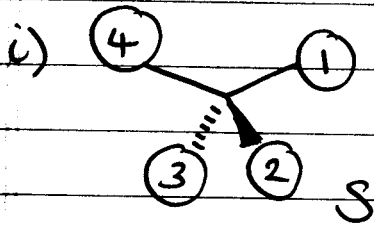
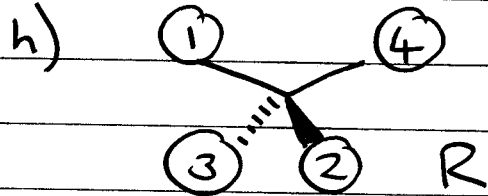
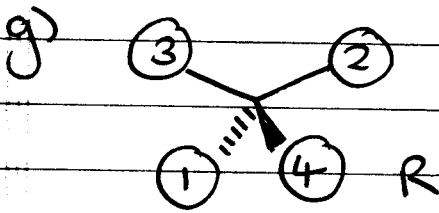
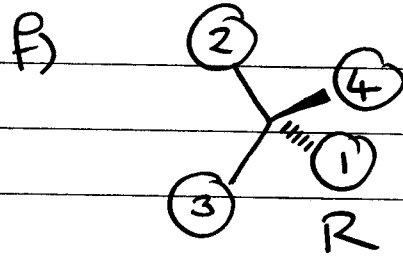
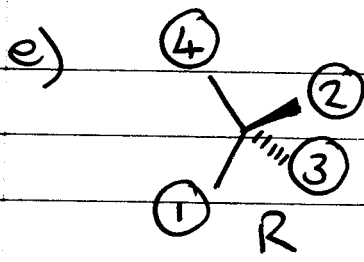


4

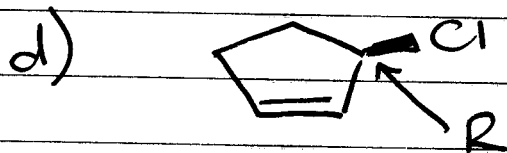
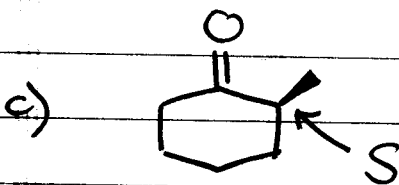
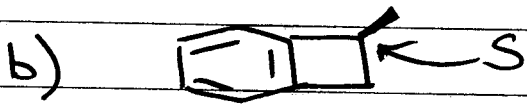
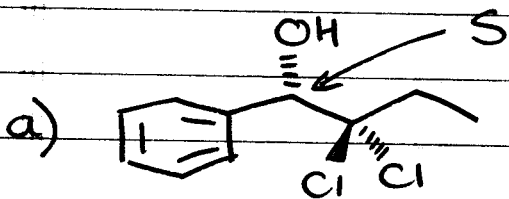


4 In each case below assign the correct configuration (R or S).

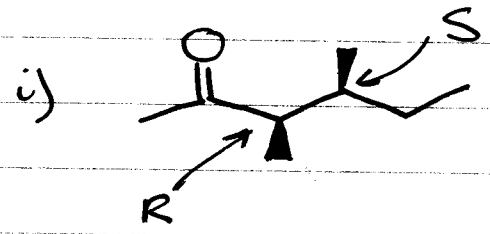
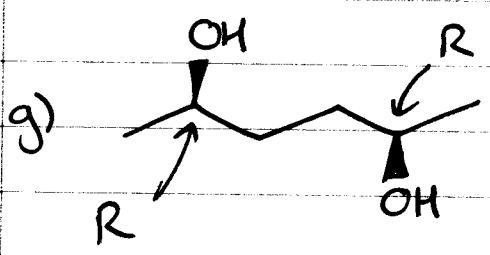
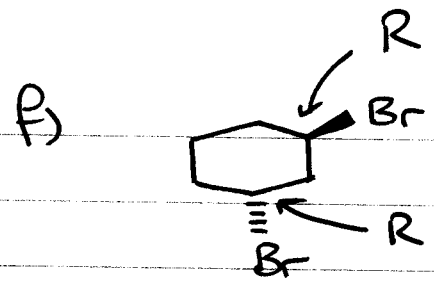
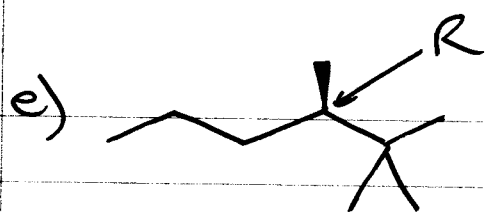




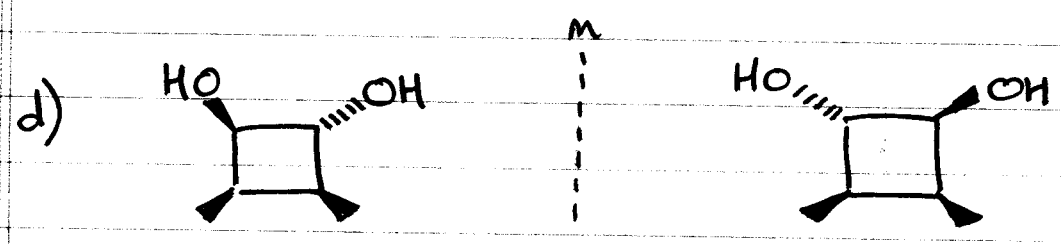
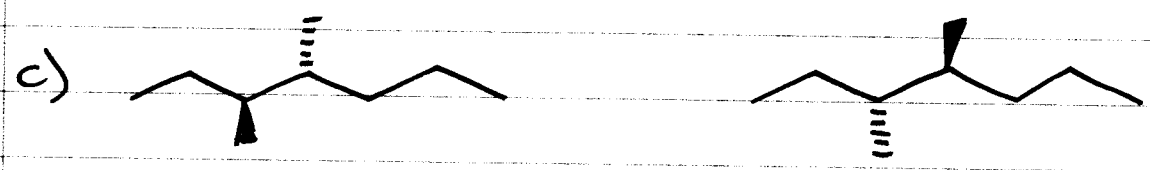
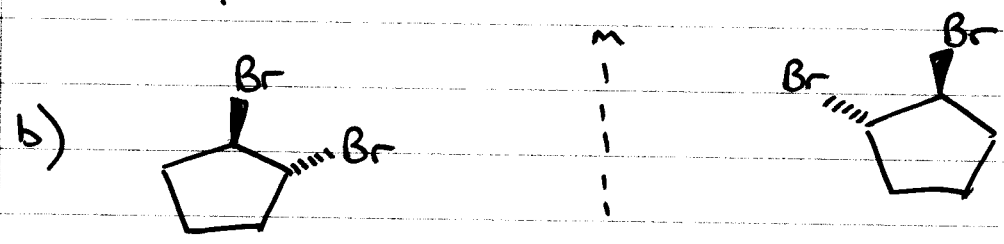
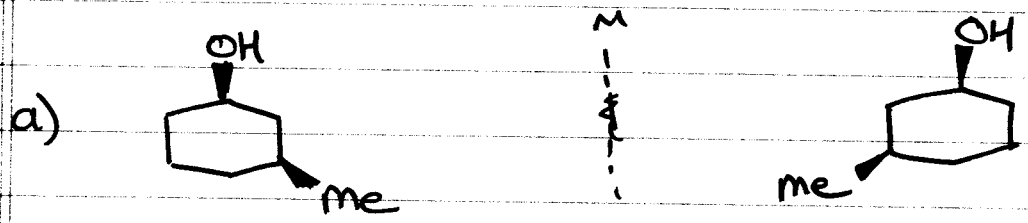
5) For each compound below, find all stereocenters and determine their configuration



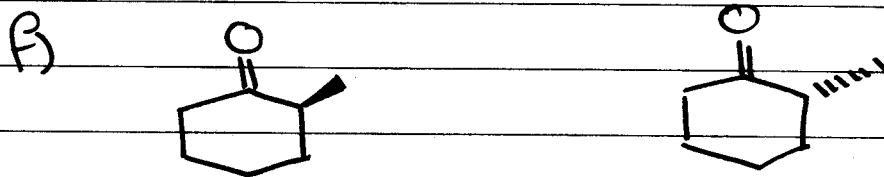
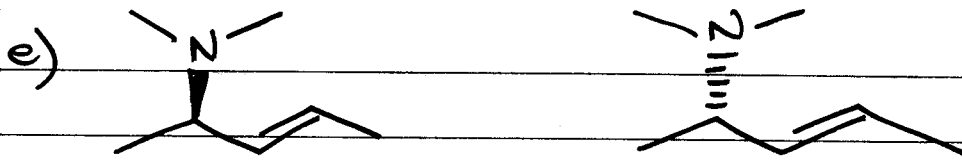
6



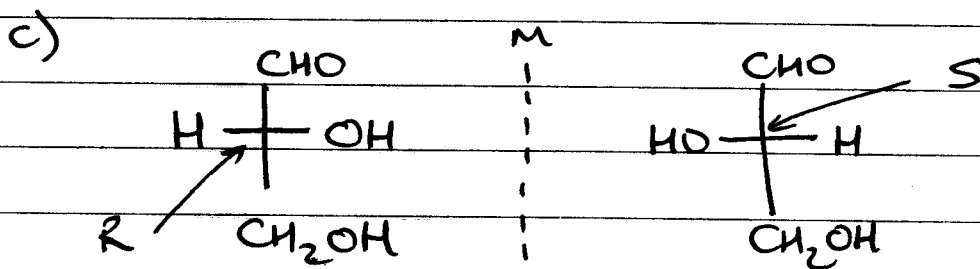
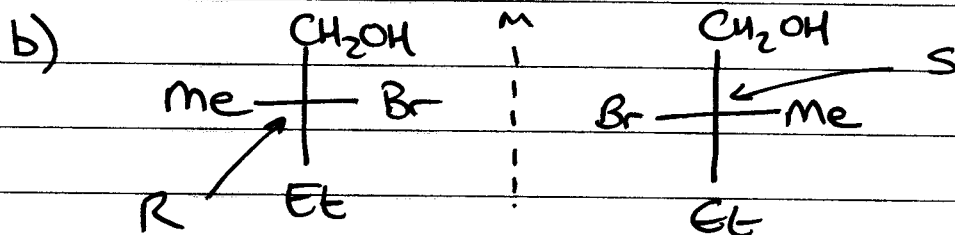
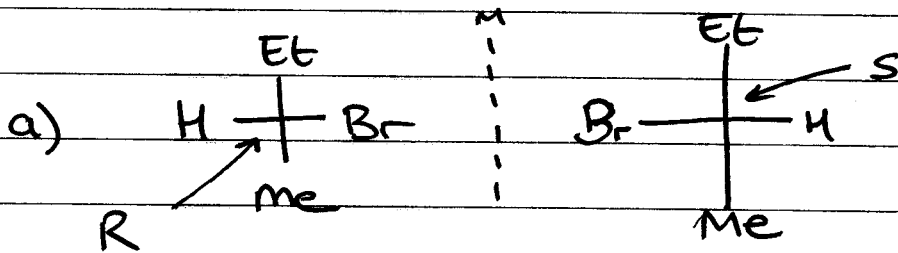
6) Draw the enantiomer for each of the following compounds.



7

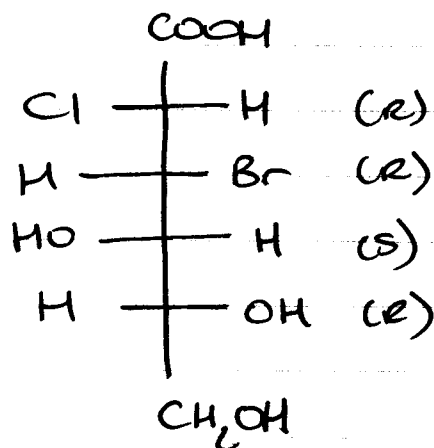
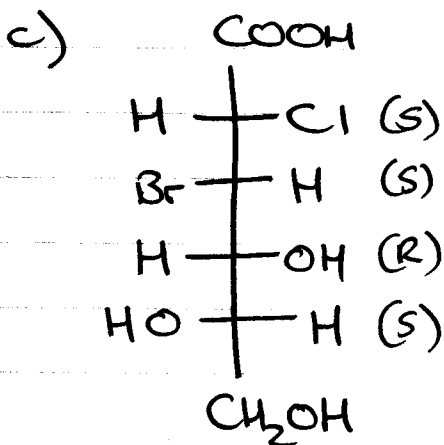
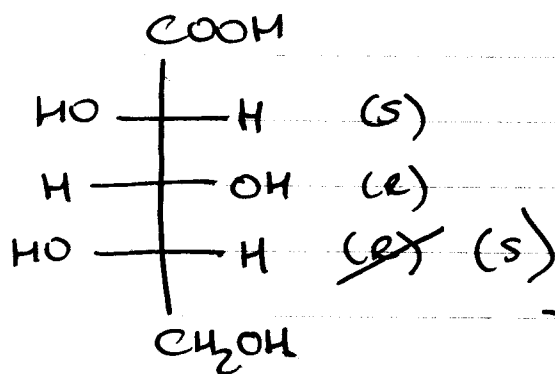
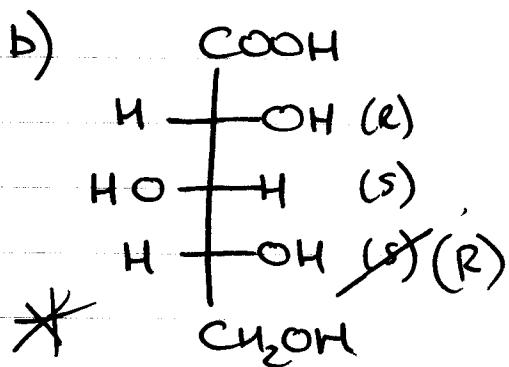
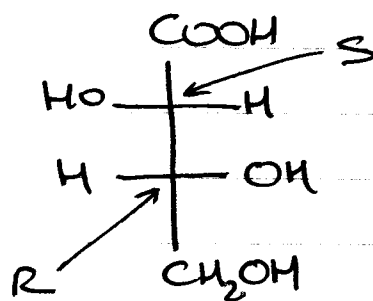
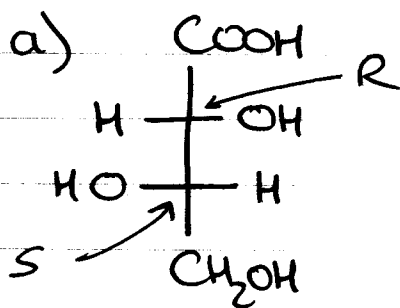


7) For each compound drawn below in Fischer projection, determine the configuration of the stereocenter, and then draw the ENANTIOMER



8

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)

