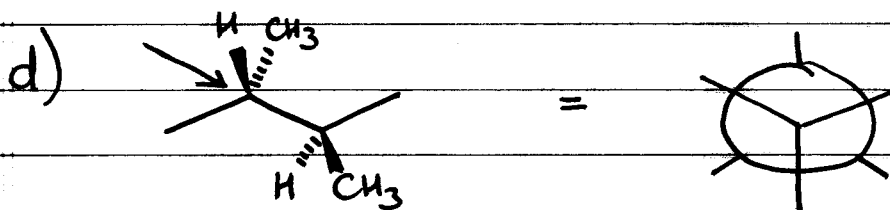
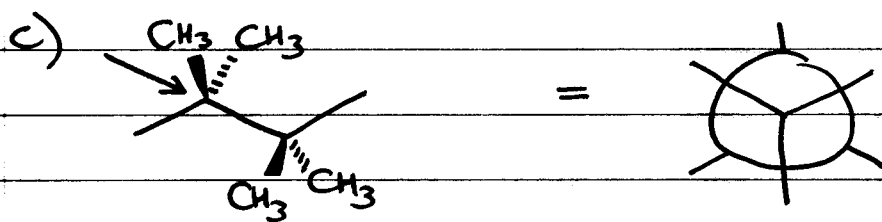
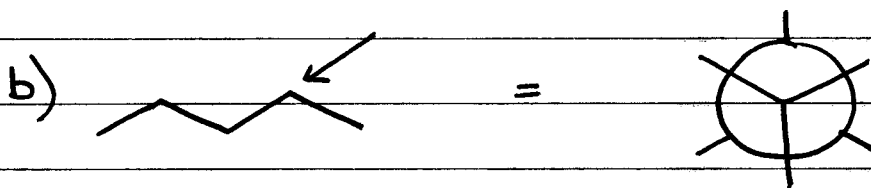
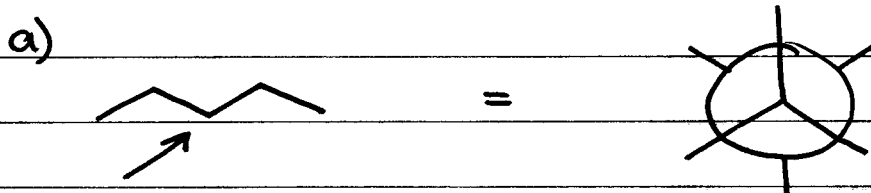
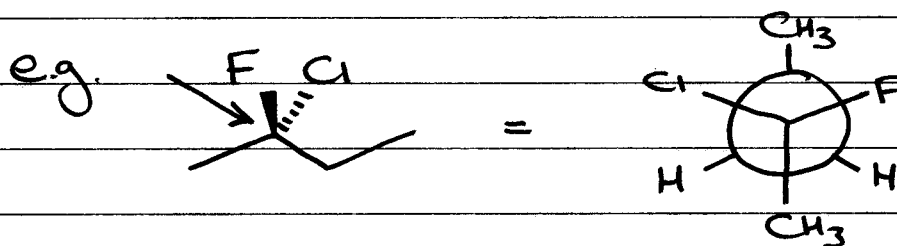


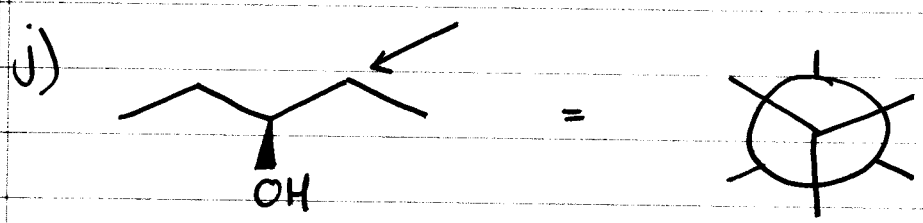
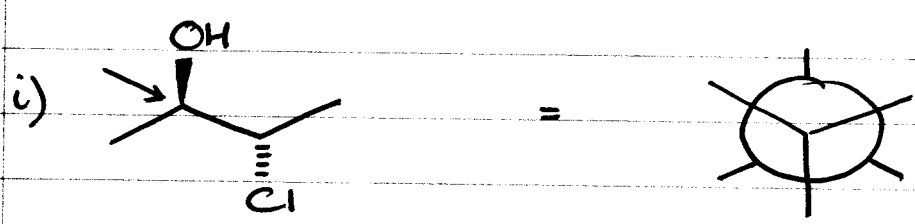
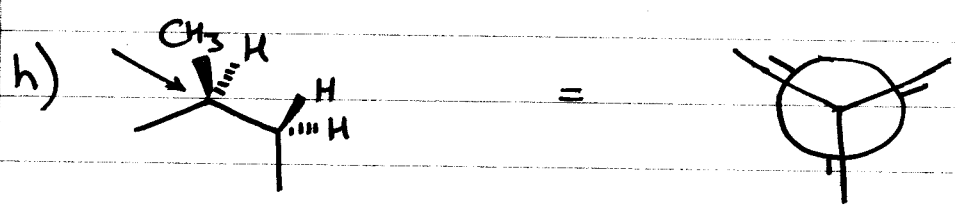
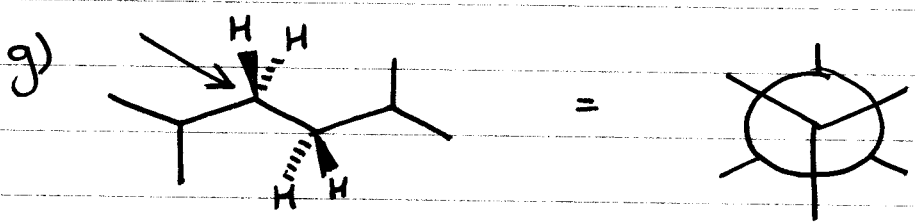
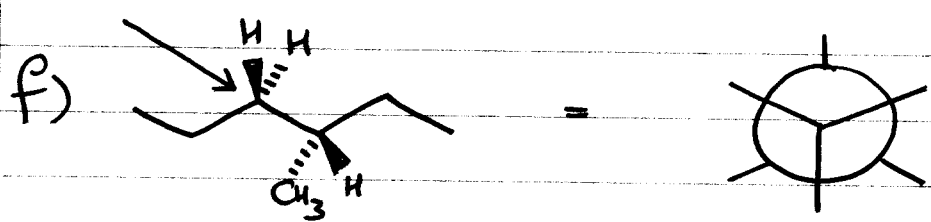
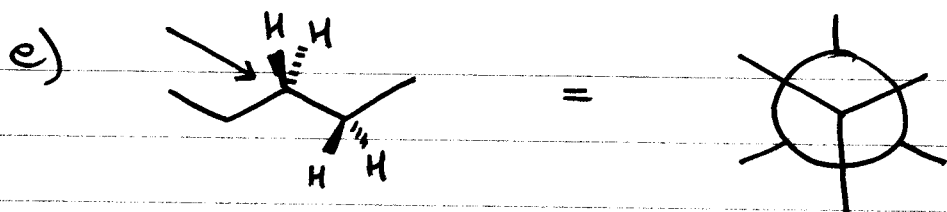
- CONFORMATIONAL ANALYSIS -

①

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

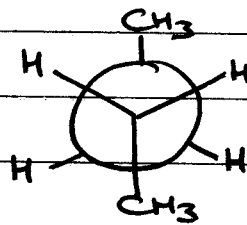
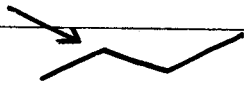
① Draw the Newman projections for each of the following structures when viewed as indicated by the arrow



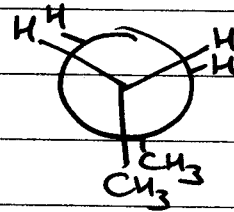


② Draw the most and least stable conformations for each of the following compounds when viewed as indicated by the arrow.

e.g.

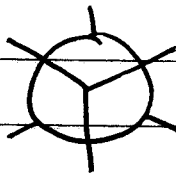
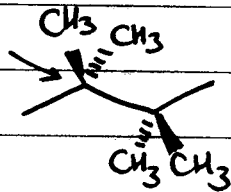


most stable

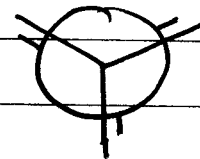


least stable

a)

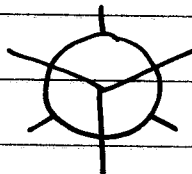
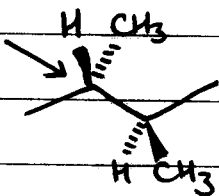


most stable

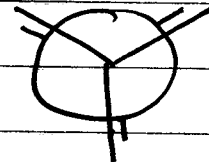


least stable

b)

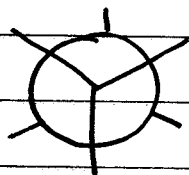
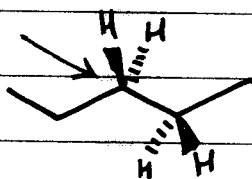


most stable

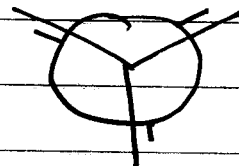


least stable

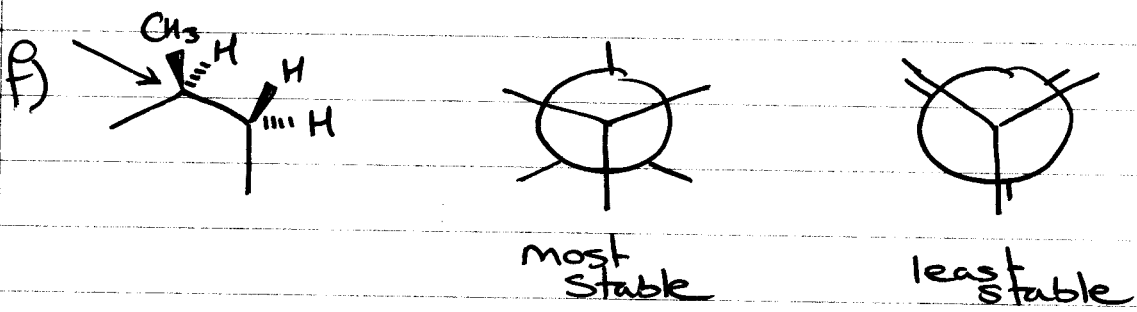
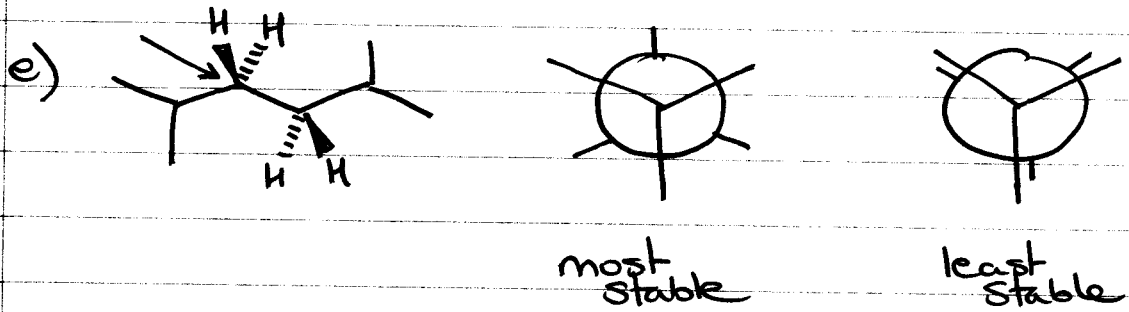
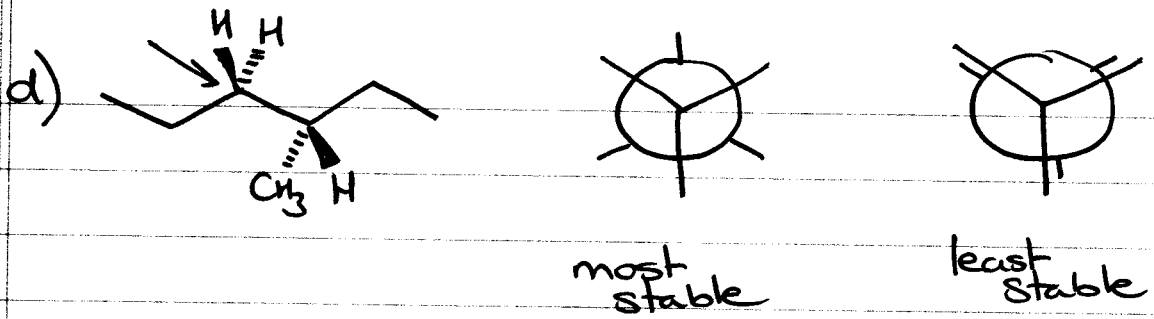
c)



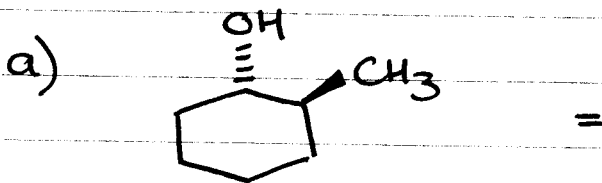
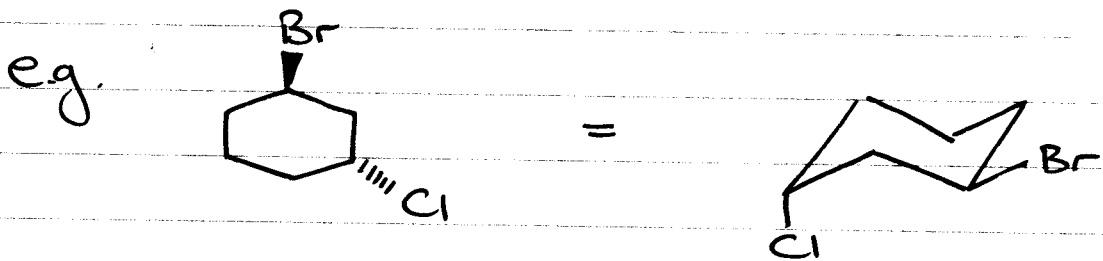
most stable

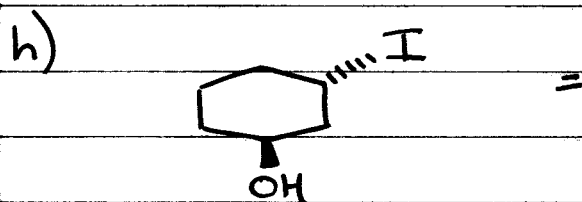
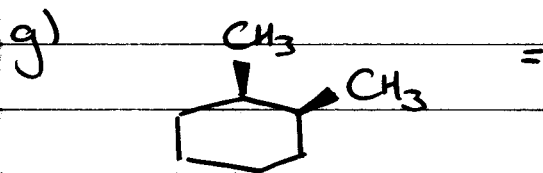
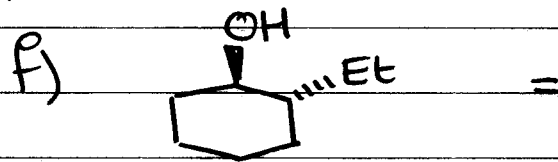
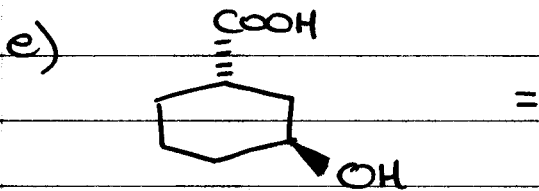
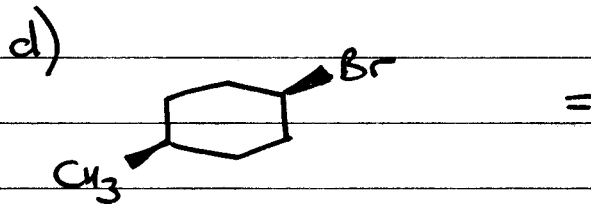
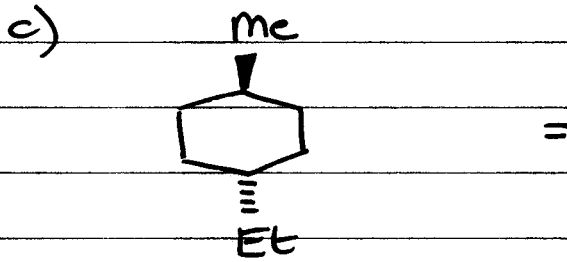
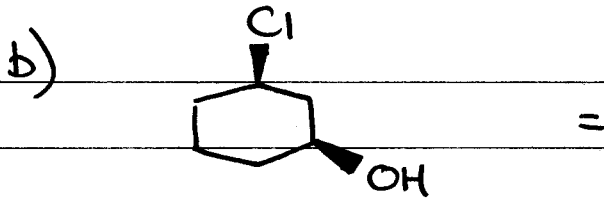


least stable



③ Draw a chair conformation for each of the compounds below

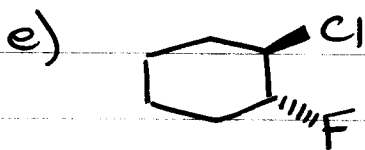
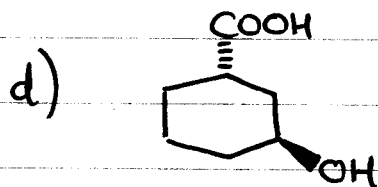
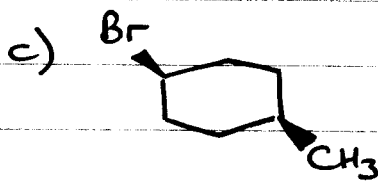
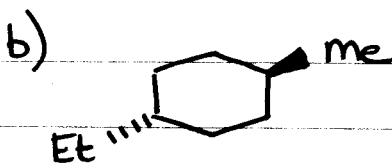
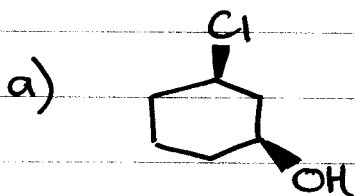
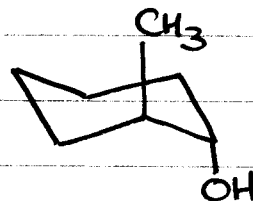
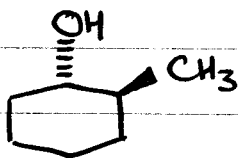




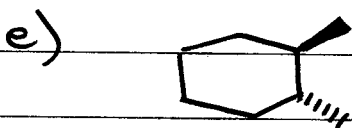
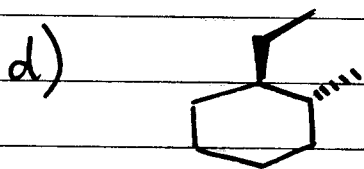
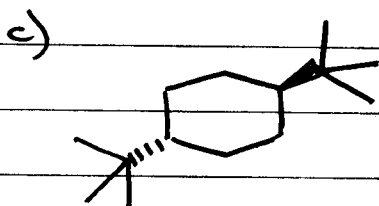
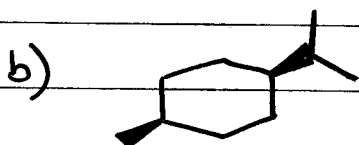
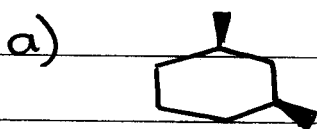
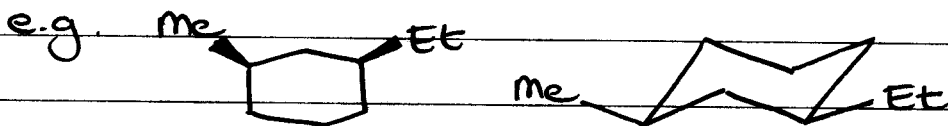
6

④ For each of the compounds below, draw both chair conformations

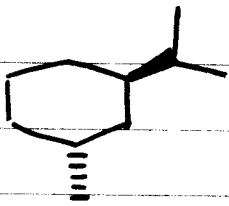
e.g.



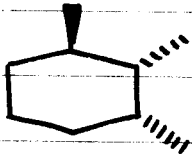
5) For each compound below, draw the most stable chair conformation



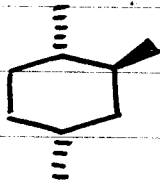
f)



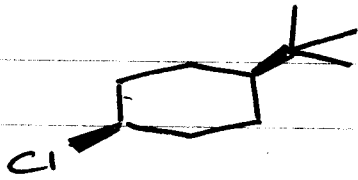
g)



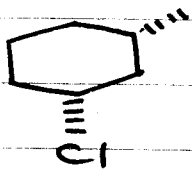
h)



i)



j)



k)

