

Ch 6.1 + 6.2

Name: _____

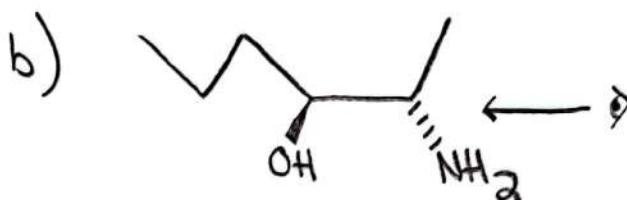
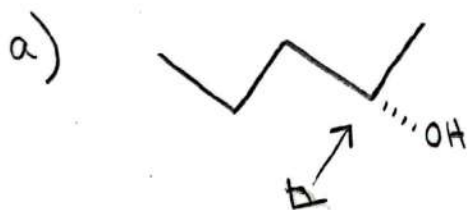
Newman Projection practice #1

Date: _____

① List out (and draw) the different possible Newman Projections
(Hint: there are ^{examples} 3!) Number them from least $\rightarrow$ most stable.

② Why are there multiple projections for a single molecule?

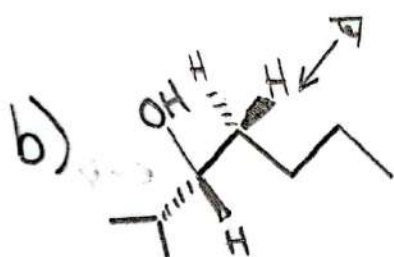
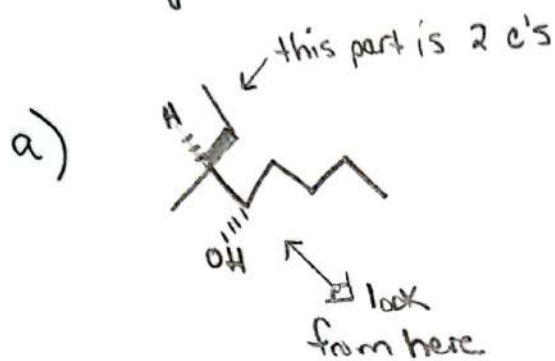
③ Draw "what you see" (watch out for H's!)



④ Describe the stability of the structures (as shown) in 3a + b.

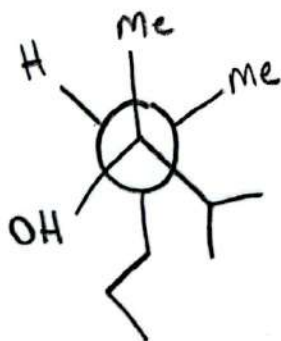
⑤ Name each structure in 3a + b. (ignore stereocenters R/S)

and label
 ⑥ Draw the most and least stable projections for each picture. (Hint, you may need to draw "what you see" then rotate!)



* The OH is on the straight line

⑦ Draw the Newman projection into a bond-line structure, use wedges & dashes too!



b) Name it!