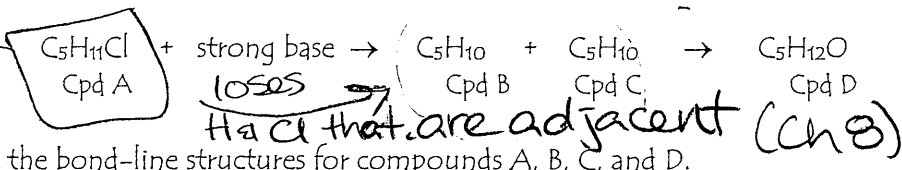


E#2 will NOT cover these rxns! ☹️

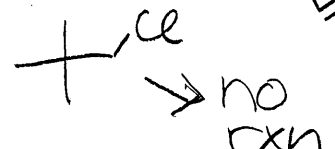
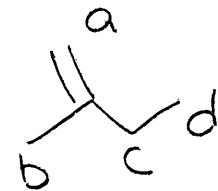
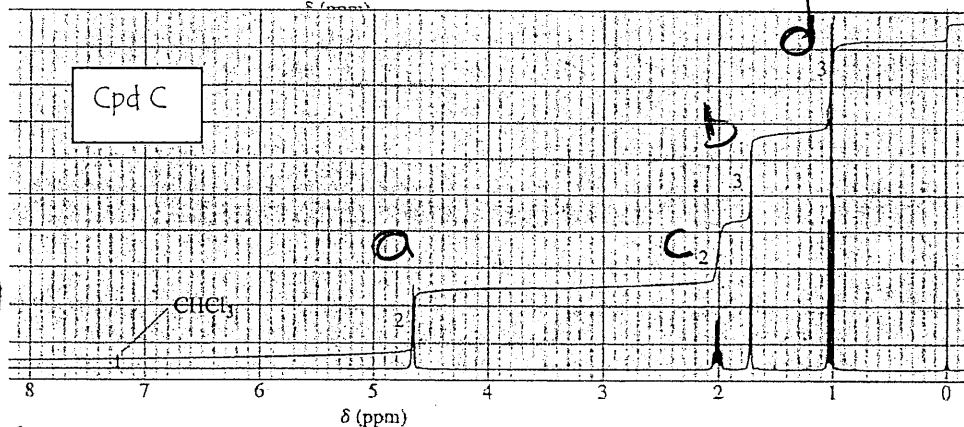
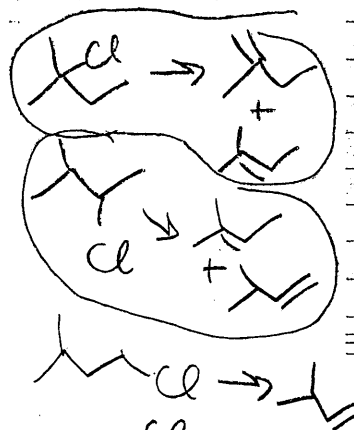
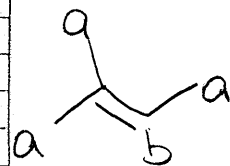
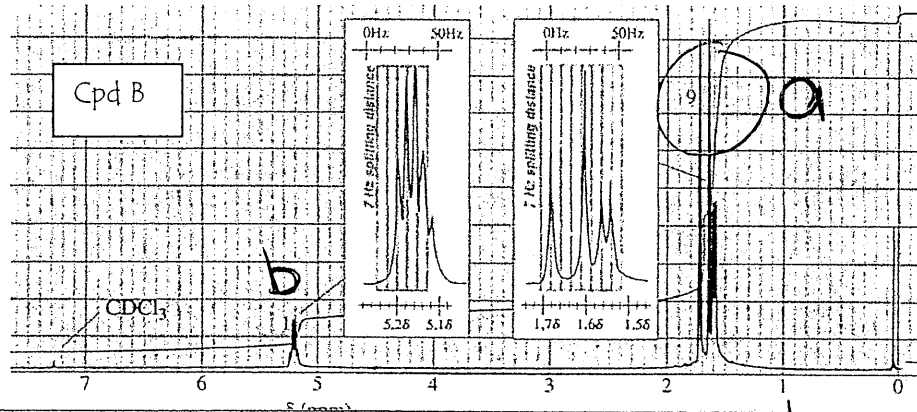
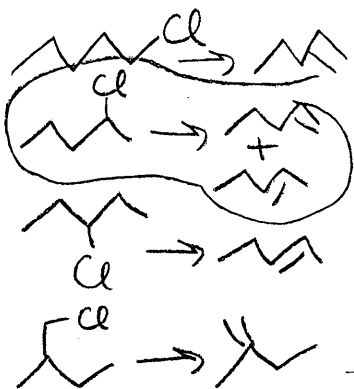
4. When compound A is treated with a strong base, compound A undergoes a dehydrohalogenation reaction to form compound B as the major product and compound C as the minor product. When either compound B or C undergoes acid catalyzed hydration (water addition) compound D is formed.



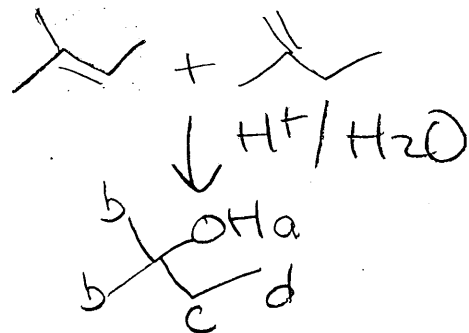
Propose the bond-line structures for compounds A, B, C, and D.

For EACH spectrum below, show the connection between EACH set of equivalent H atoms in the compound and the ¹H NMR signals. Clearly labels the H's and their corresponding signals.

possible isomers



Cpd D



only 3 of the isomers produce 2 products. Compare the products to the ¹H NMR.

