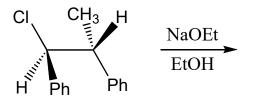
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<sup>1</sup>H NMR

**Protons on Carbon** 

6A) (8 pts) Predict the major product for the following E2 elimination reaction and provide a <u>complete</u> mechanism. Pay close attention to details, including lone pairs, formal charges and the use of curved arrows. Show your work. **No work = no credit.** 



6B) (8 pts) Provide a structure that is consistent with the given <sup>1</sup>H NMR spectrum. Show your work and justify your answer by labeling the protons on the structure a/b/c to match the labeled peaks in the specctrum. No work = no credit.

