

Elimination Reactions Pre-lab:

1. Write out the two main reactions you (and a partner) will conduct. Draw structures for the two alkenes you could form in these reactions.
2. What is the most likely mechanism for alkene formation in each elimination reaction?
3. Write out a stoichiometry table for both reactions. What is the limiting reagent in each case? What is the theoretical yield of alkene mix? (Since the alkenes are isomers, you can determine the theoretical total mass of product by using the molecular mass of either compound.)
4. What are the boiling points of each alkene formed? (List a reference) Which would you expect to have a smaller retention time on a GC with a nonpolar column? (Check in lab to get the actual retention times.)