

Chem 128/228 (Spring 03)
Problem set 9 (fragmentation reactions – part 2)

[I] In each instance provide a structurally meaningful (that is, conformationally accurate) drawing of the starting material. [II] In some, but not all cases there exists the requisite antiperiplanar relationship between the C-L and C-C bonds. Highlight the bonds when such a relationship exists and clearly specify when it does not. [III] Some systems will fragment, others won't. Specify which is which. [IV] Illustrate the product of fragmentation paying particular attention to stereochemistry. [V] Why can't the starting material in case "b" undergo a double (*i.e.*, both rings flip) chair-chair flip?

