

Reactivity of C-Halogen bond in alkyl allyl benzyl vinyl and aryl halide

The order of reactivity of substrates for S_N1 reactions is the reverse of S_N2



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increasing rate of S_N1 reactions

Some aromatic halides and some unsaturated halides react like are alkyl halides, and some do not. The important factor is the hybridization of the C the halogen is attached to.

sp^3 carbon **alkyl halide** benzyl, allyl, other aromatic

sp^2 carbon **NOT an alkyl halide** aryl, vinyl