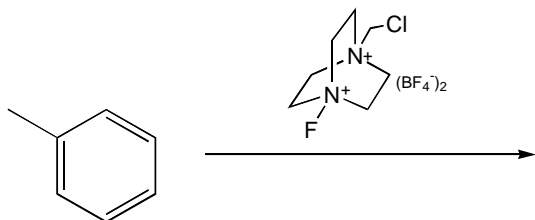


1. (5) Draw structures for (1) azobenzene; (2) 2-diazopropane; (3) DMSO; (4) a Wittig reagent; (5) allyl azide.

2. (8) Predict the products of the reaction below. Write a reasonable mechanism for the formation of one of them.



3. (12) Predict the product and write a reasonable mechanism for each of the given reactions.

