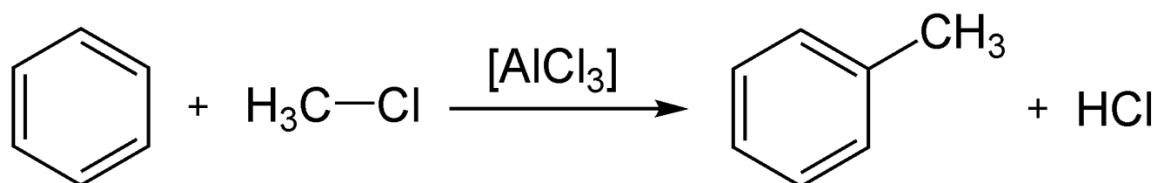
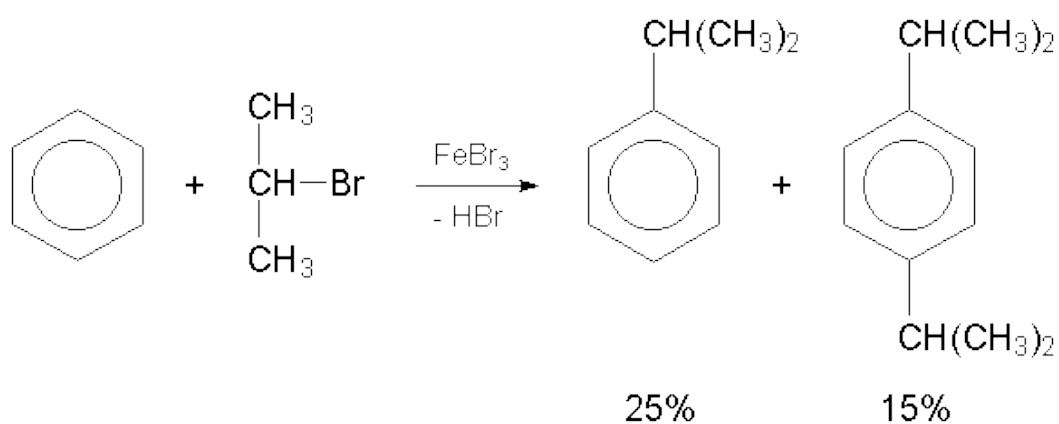


Alkylation is the transfer of an alkyl group from one molecule to another. The alkyl group may be transferred as an alkyl carbocation, a free radical, a carbanion or a carbene (or their equivalents). So alkylated carbon is one of the all carbons from that “another” molecule.



As can you see, one of the benzene's atoms was alkylated in the reaction below.



Degree of alkylation of atom can be found from yield of reaction.