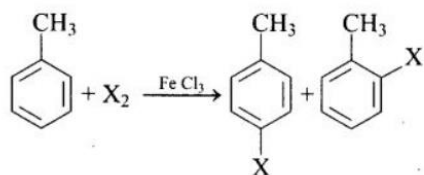


Question 4. Toluene reacts with a halogen in the presence of iron (III) chloride giving ortho and para halo compounds. The reaction is

- (a) electrophilic elimination reaction
- (b) electrophilic substitution reaction
- (c) free radical addition reaction
- (d) nucleophilic substitution reaction

Solution:

(b)



This is an example of electrophilic substitution reaction.