

* Reactions of Phenols warm-up + Application Answers

① Acid Chlorides : Nucleophilic Substitution:
Neutralize the acid byproduct so that the ester will not be hydrolyzed

② Alkyl halides : S_N2 : Generates a negative nucleophile from phenol

③ Benzoic Acid : Must have benzylic H

④ $Br_2/h\nu$ or $NBS/peroxide$: Benzylic C : Must have a benzylic H

⑤ $h\nu$: peroxide : AIBN (ACS)



