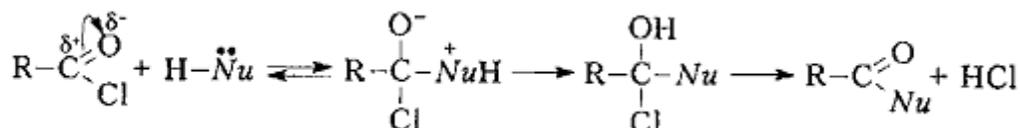


### Question #57719, Chemistry / Organic Chemistry

Describe the reaction of phenylamine with ethanoyl chloride. What occurs in this reaction?

**Answer:**

Phenylamine is a strong nucleophile, while ethanoyl chloride oppositely is a strong electrophile. Mechanism of acyl group introduction to the nucleophilic molecules by use of acyl halogenides is shown on the next picture:



In our case reaction will proceed as follows, leading to N-phenylacetamide:

