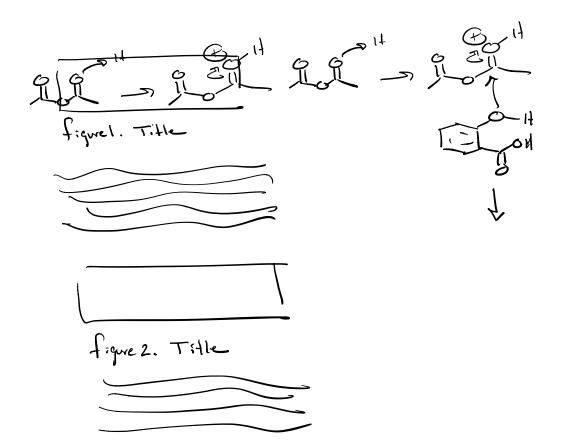
Writing Assignment - Write the discussion section on the mechanism of acetylsolicylic acid Synthesis

>> The next monday



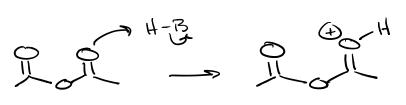


Figure 1. Protonation of acetic anhydride

The synthesis of acetylsalicylic acid is acid catalyzed.

The reaction starts with the protonation of acetic anhydride. The Carbonyl oxygen takes a

proton from phosphoric acid resulting in a oxonium ion — a carbonyl with a positive charge. The oxonium ion increases the partial positive charge on the carbonyl carbon through resoners.

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figure 2. Resonance of protomated acetic anhydride