

• Prelap (experiment 7) •

[Preparation of Aspirin]

1) Which organic reaction represent the preparation of Aspirin (just the name of the reaction)

• esterification reaction •

salicylic acid is reacted with an excess of acetic anhydride in the presence of a small amount of strong acid (like H_2SO_4) to act as a catalyst for the reaction.

2) In this experiment (preparation of aspirin), where can you find an application (example) of LeChâtelier's Principle?

an excess amount of acetic anhydride would force the equilibrium towards the desired product (acetylsalicylic acid). This would cause the reaction to favor the product side (aspirin and acetic acid). \rightarrow

3) Write an equation showing the preparation of:
a) sodium salicylate.

