

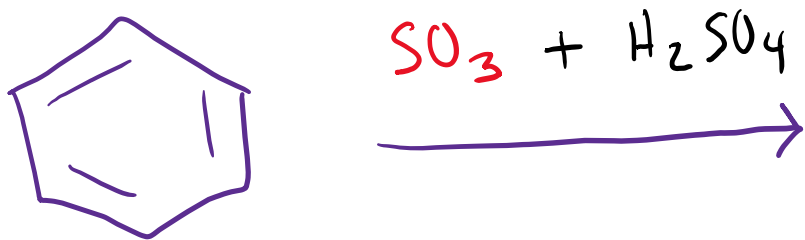
EAS (continued)

Friedel-Crafts Alkylation and Acylation

1/20/2023

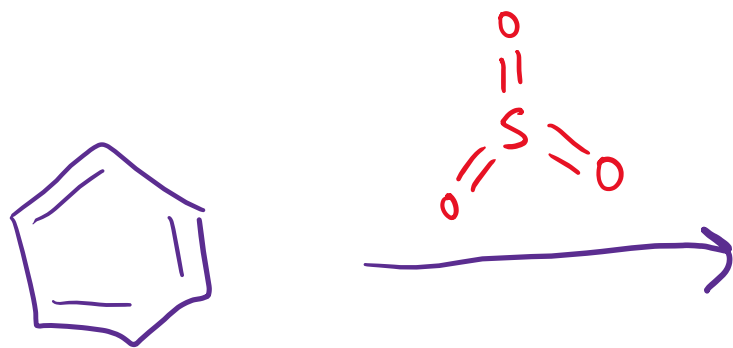
Sulfonation of Benzene

Text: 18.3



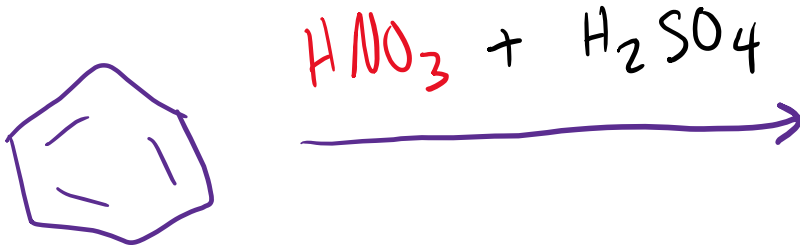
Sulfonation of Benzene: Mechanism

Text: 18.3

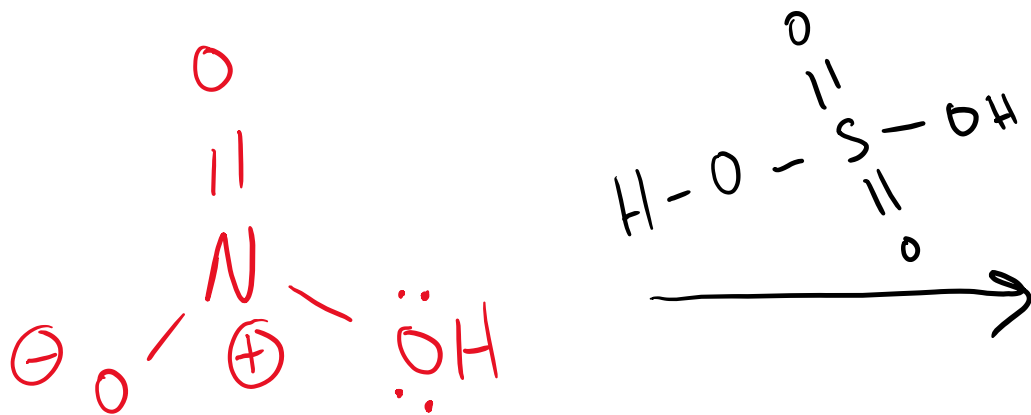
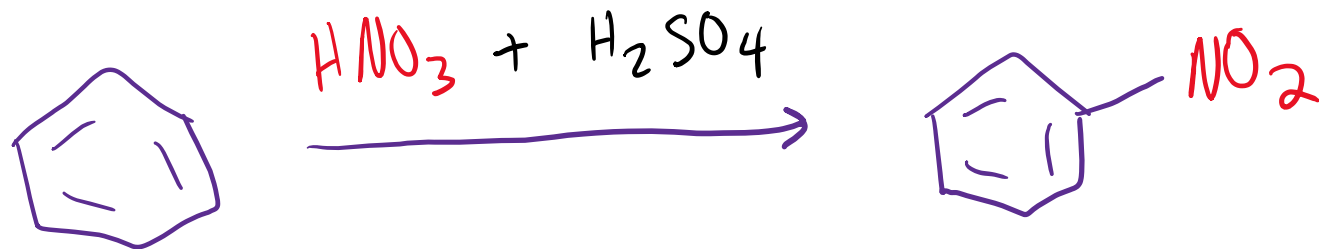


Nitration of Benzene

Text: 18.4

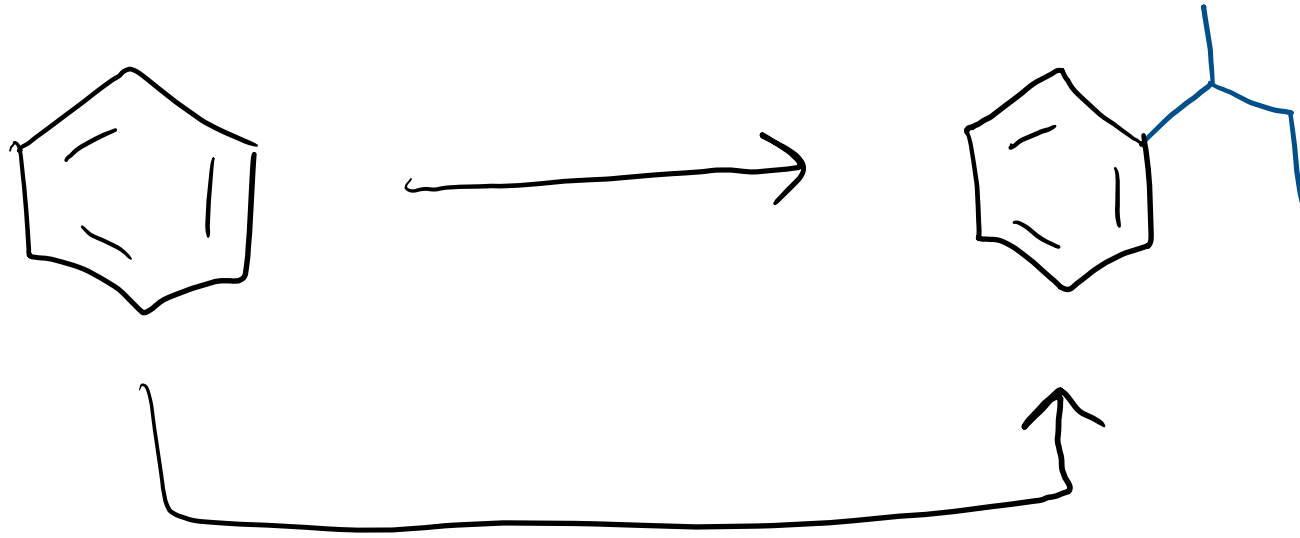


Nitration of Benzene: mechanism - generating $^+\text{NO}_2$ electrophile

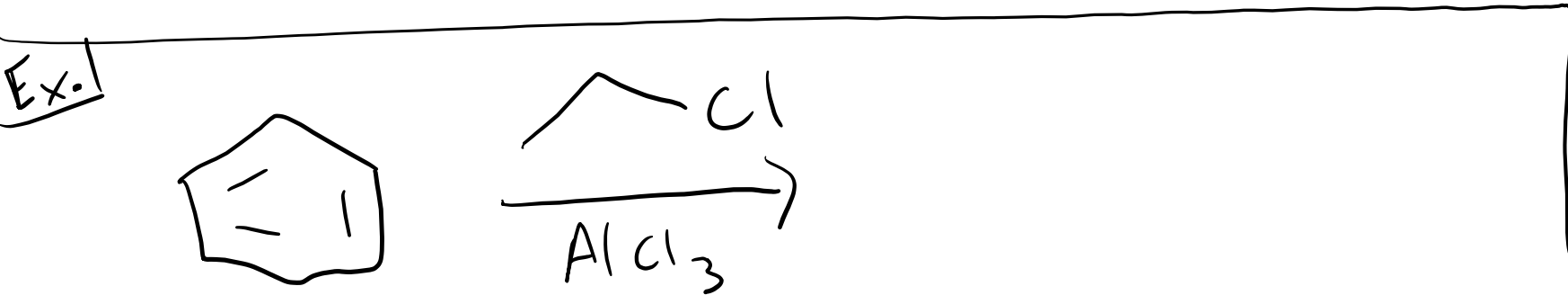
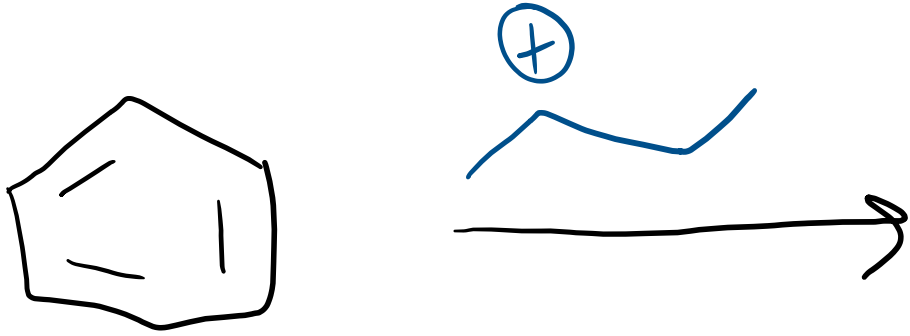


Friedel-Crafts Alkylation

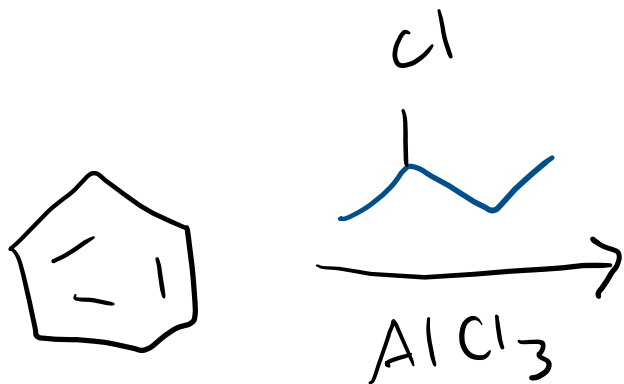
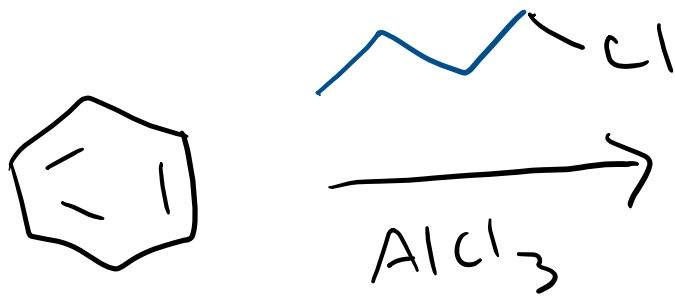
Text: 18.5



Friedel-Crafts Alkylation: Mechanism

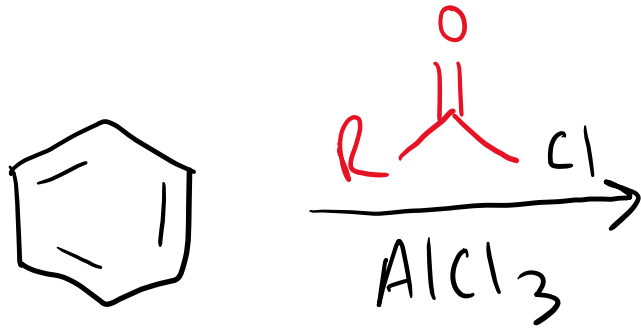


Friedel-Crafts Alkylation: Limitations



Friedel-Crafts Acylation

Text: 18.6



Friedel-Crafts Acylation: Differences vs. Alkylation

