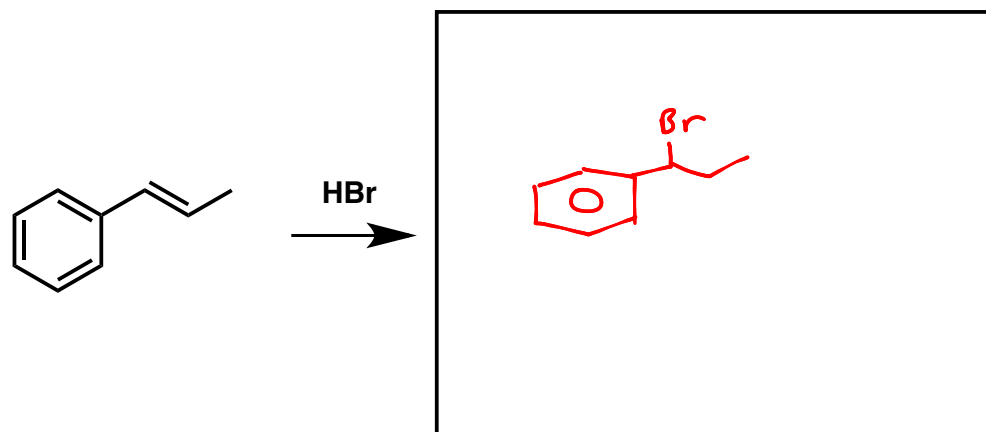


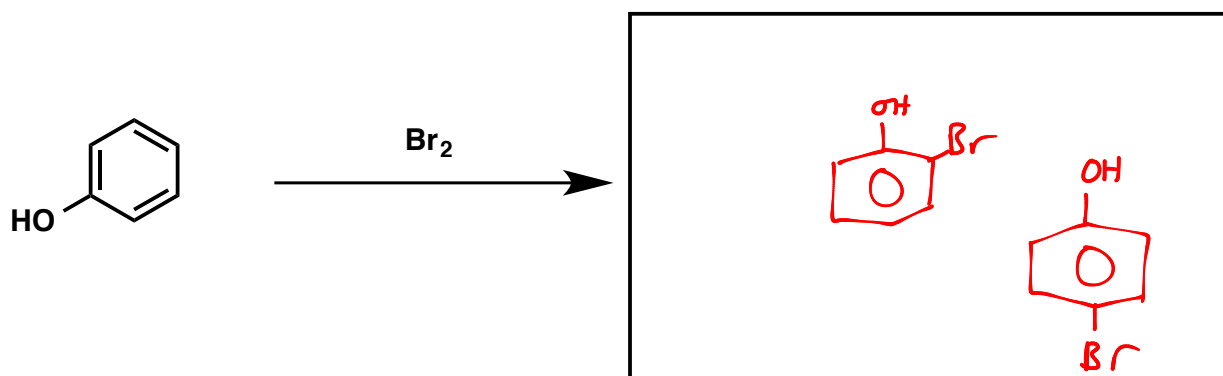
CHEM 3332 Honors
Homework for Aromatic Substitution

1. Predict the major product (or products) for these reactions. Don't forget to show the stereochemistry in the products if the reaction is stereoselective.

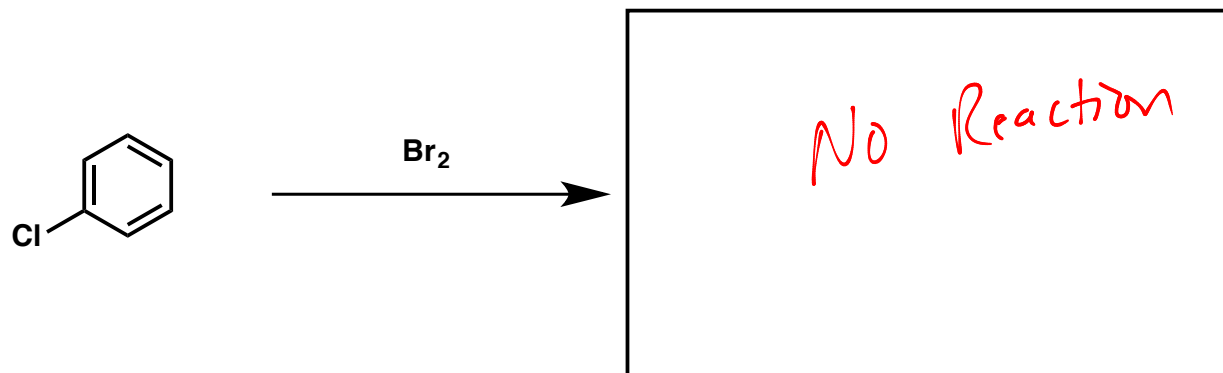
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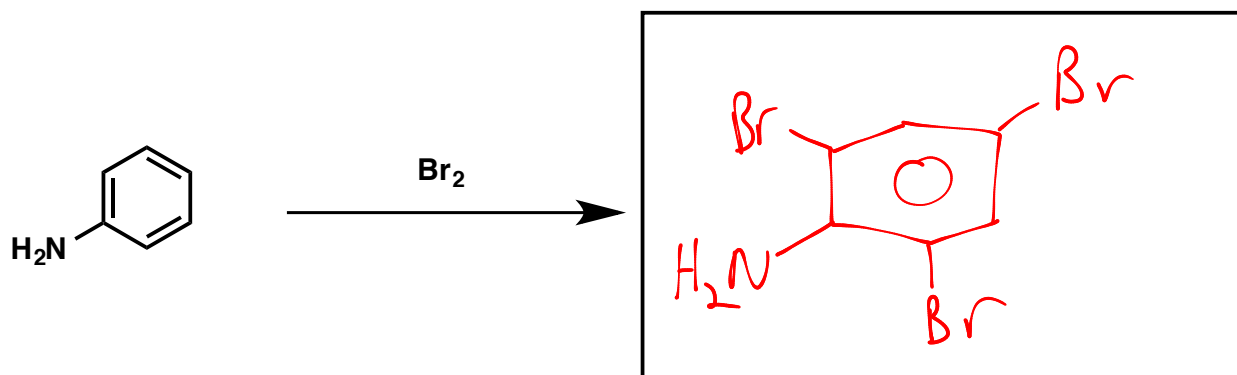
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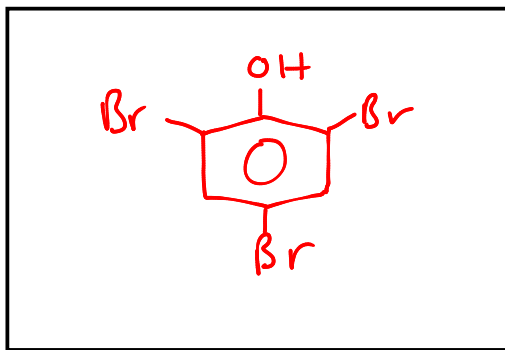
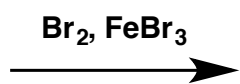
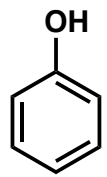
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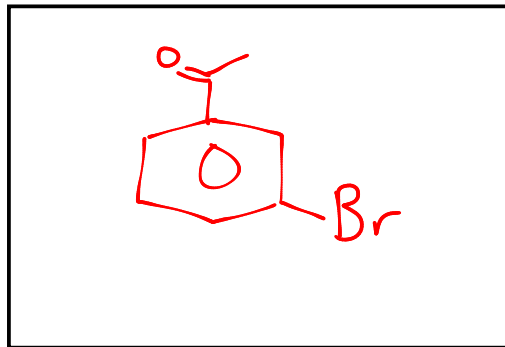
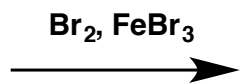
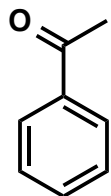
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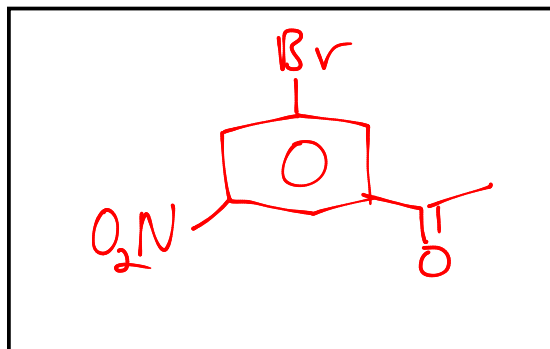
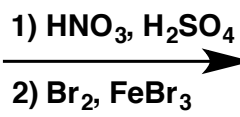
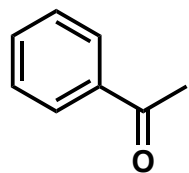
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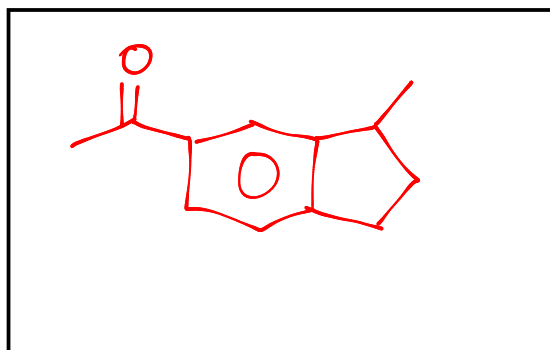
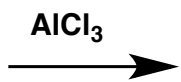
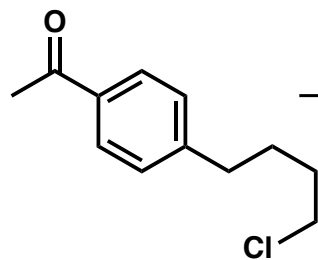
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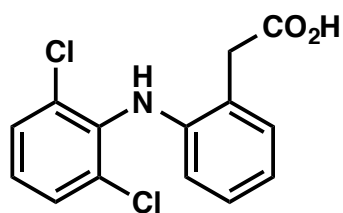
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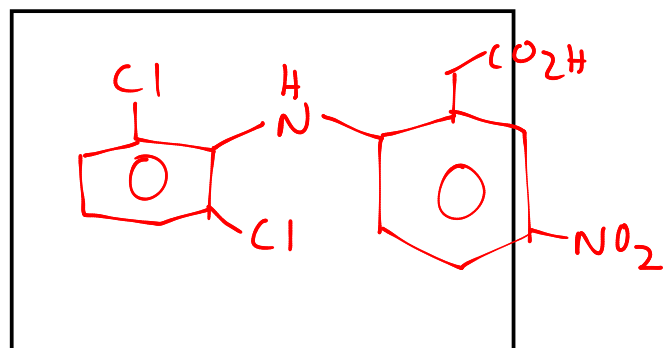
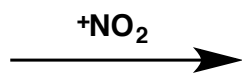
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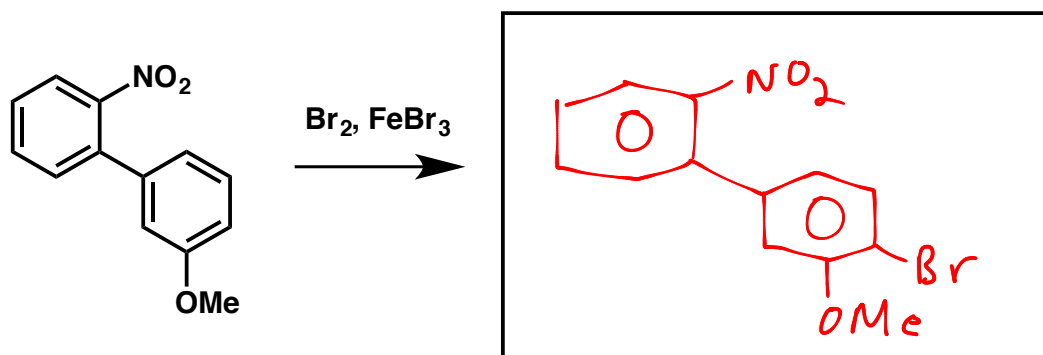
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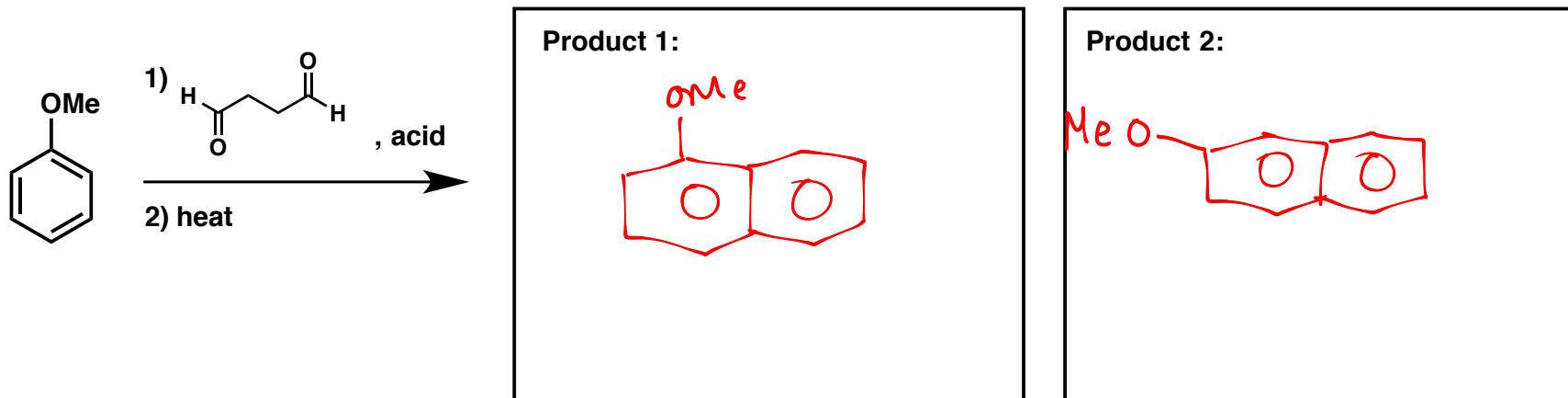
Diclofenac



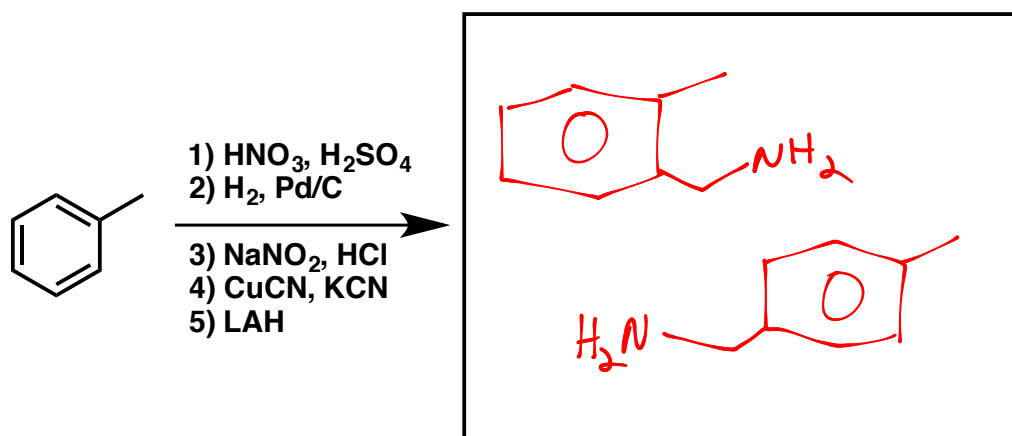
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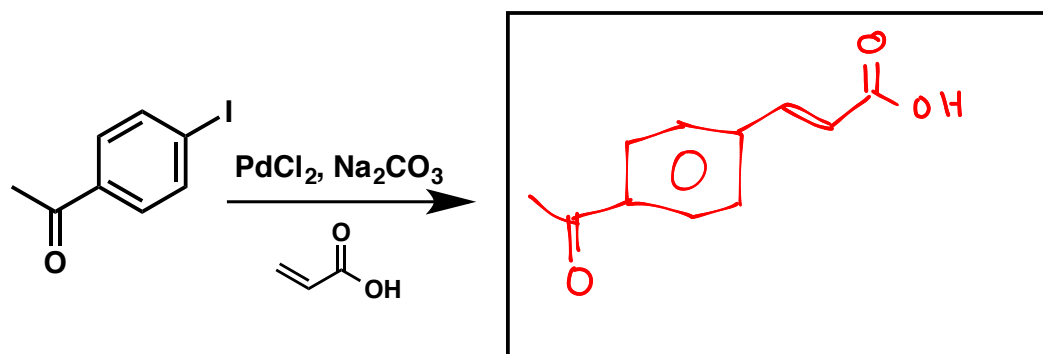
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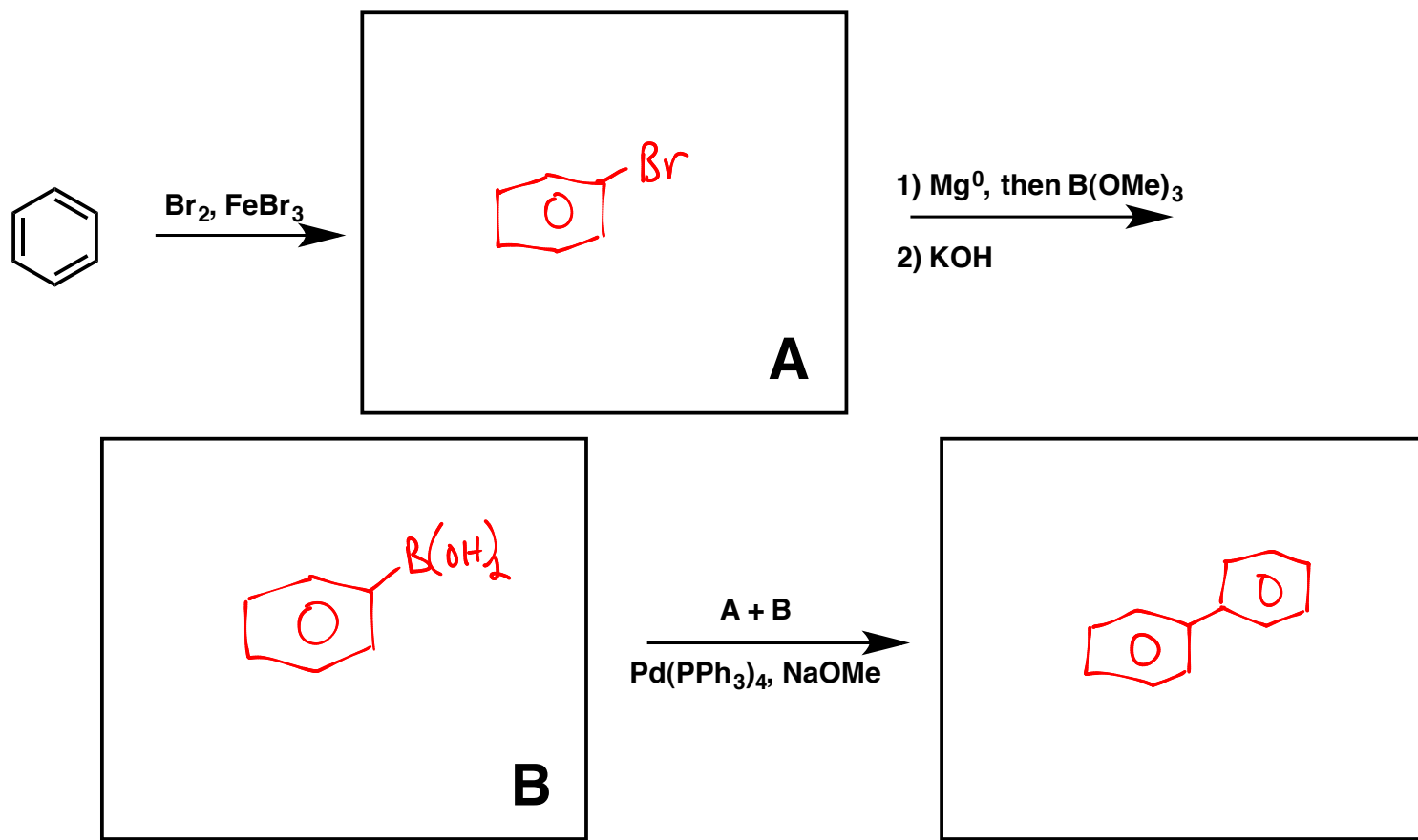
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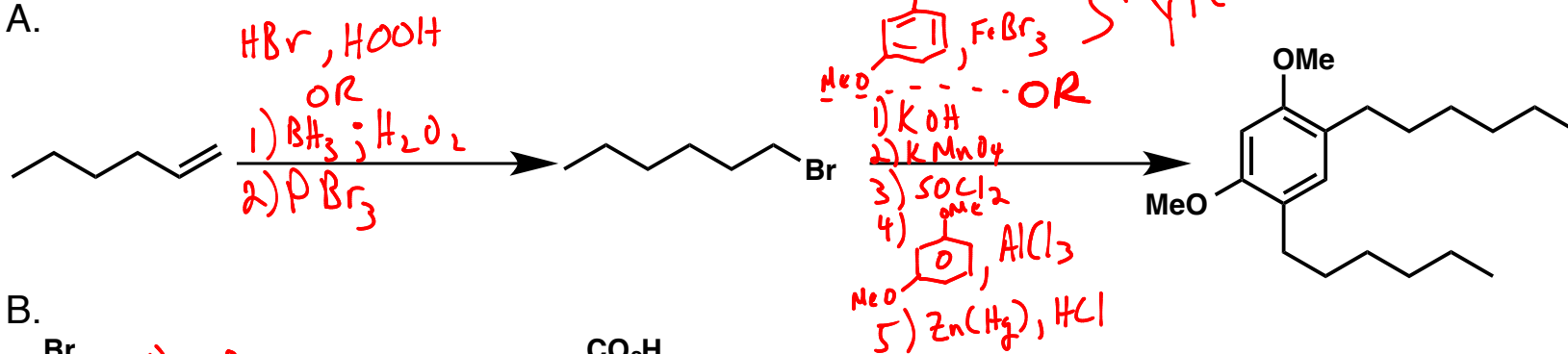


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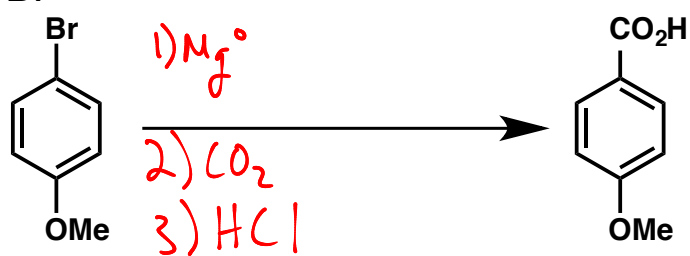


2. Give reagents to perform the following transformations.

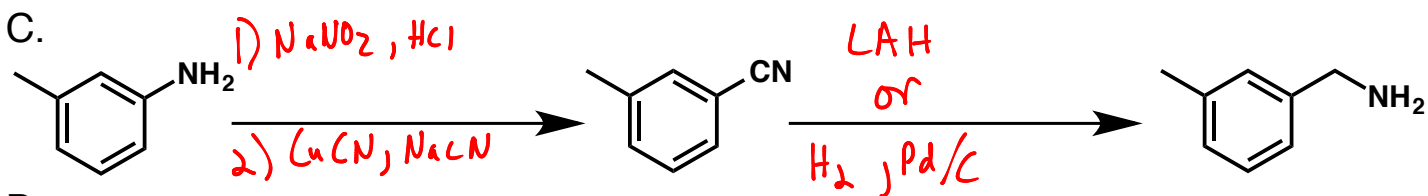
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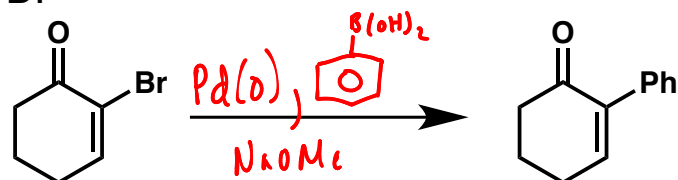
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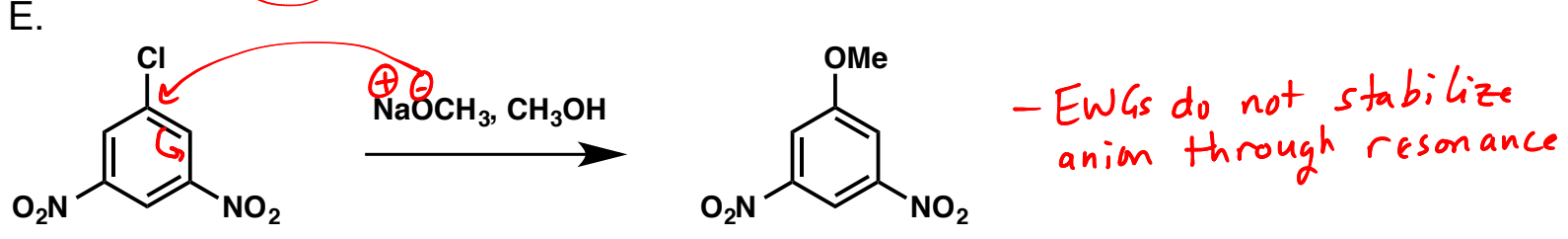
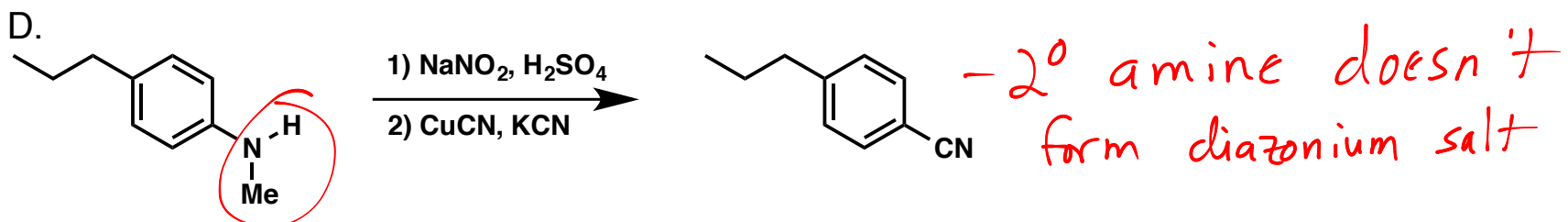
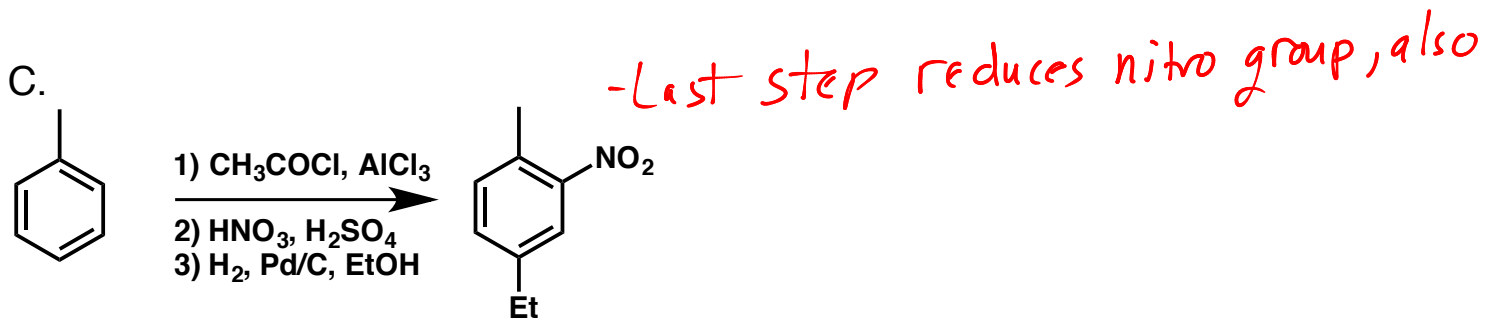


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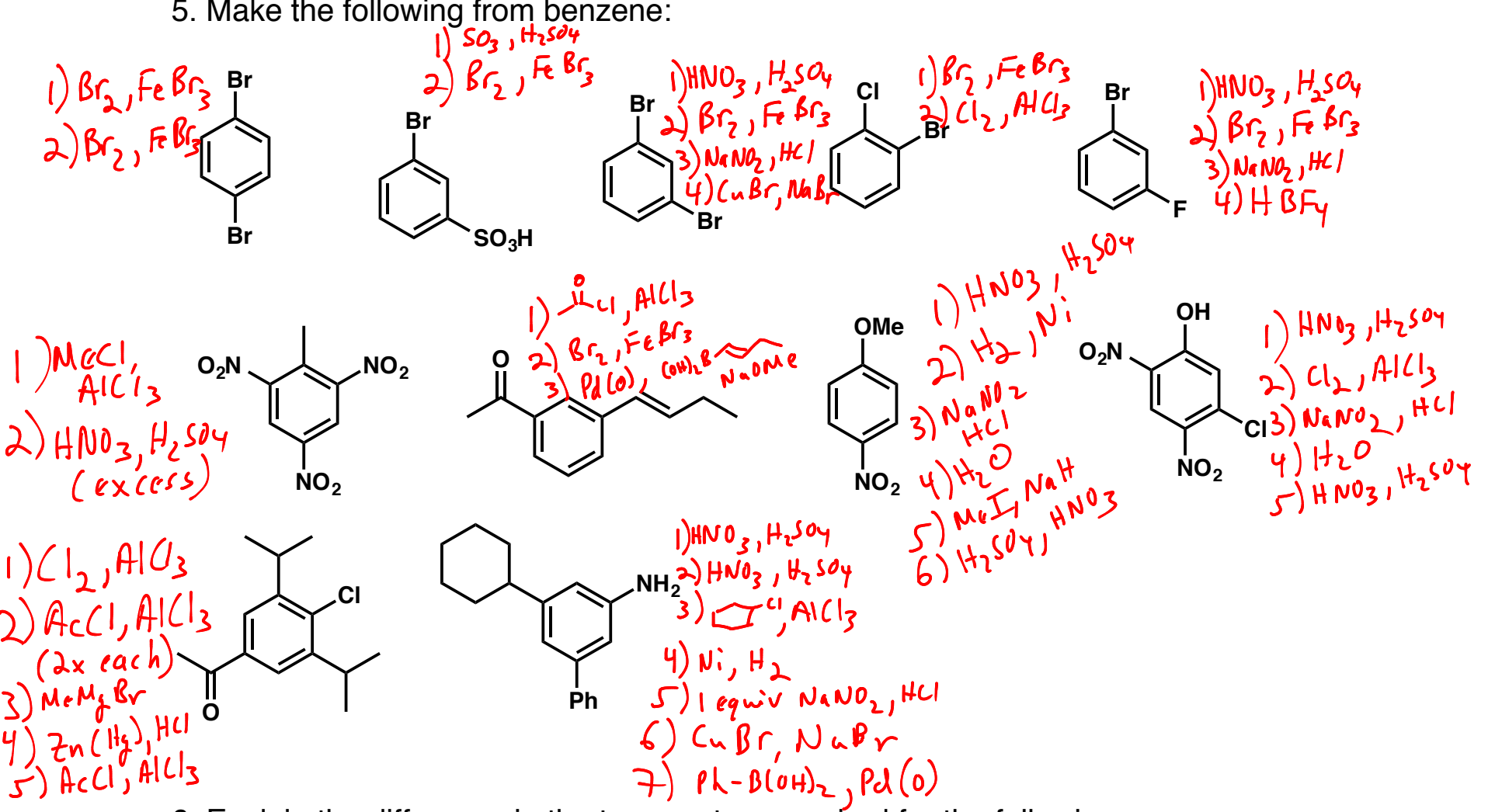


D.





5. Make the following from benzene:



6. Explain the difference in the temperature required for the following:

