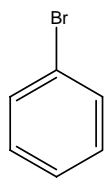
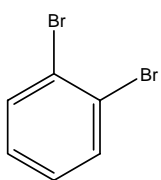
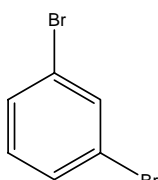


**Target Molecules**

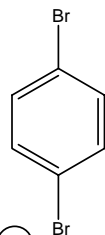
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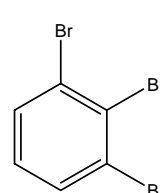
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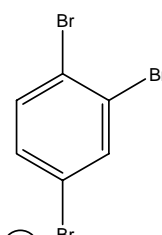
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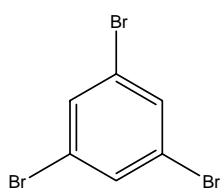
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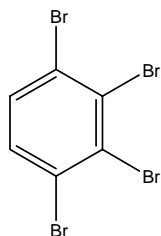
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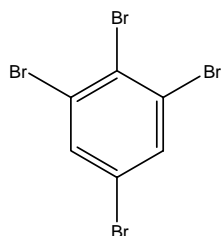
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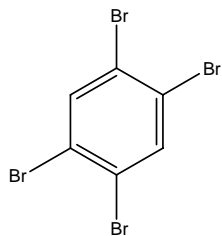
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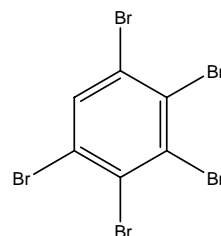
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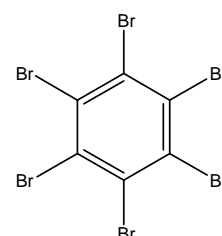
⑨



⑩



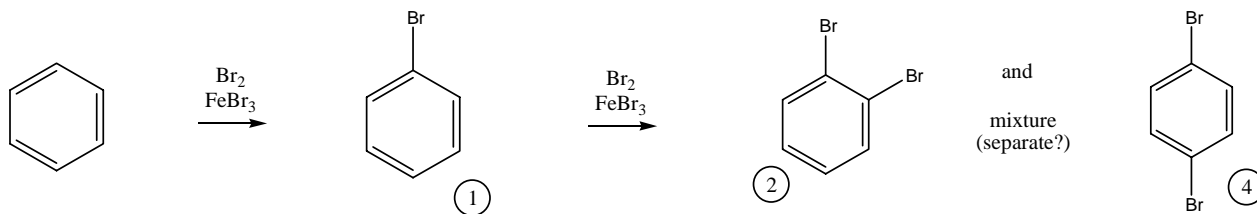
⑪



⑫

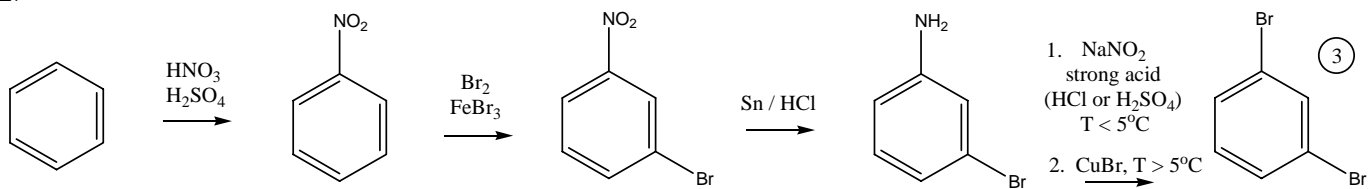
All of the reactions below represent "book" chemistry and would need a "recipe" dependent on features in each unique structure. Very likely some steps would be low yield, or would not work at all. We would have to consult the literature for possible changes to the procedures or other approaches not covered in our course.

1.

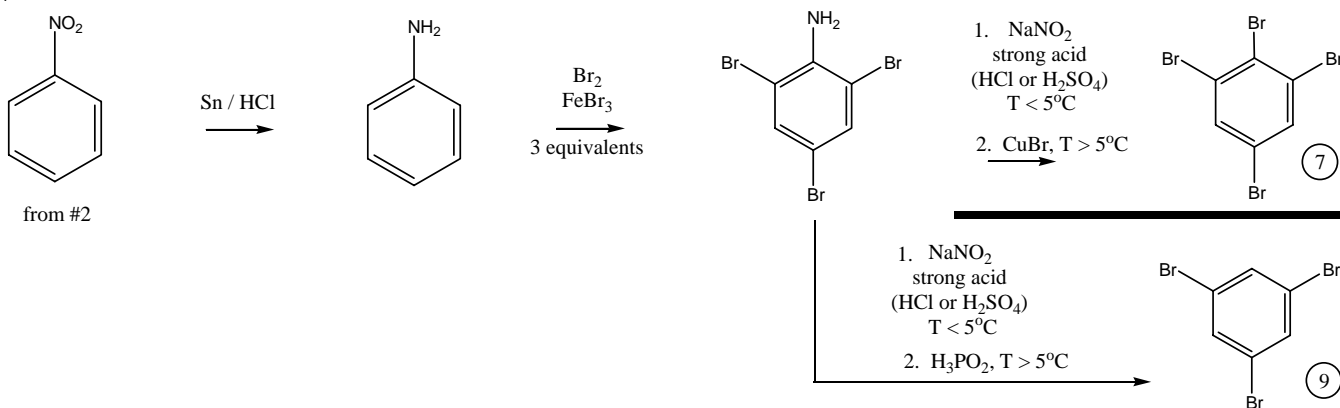


See #6 below for alternative approaches to ortho and para structures.

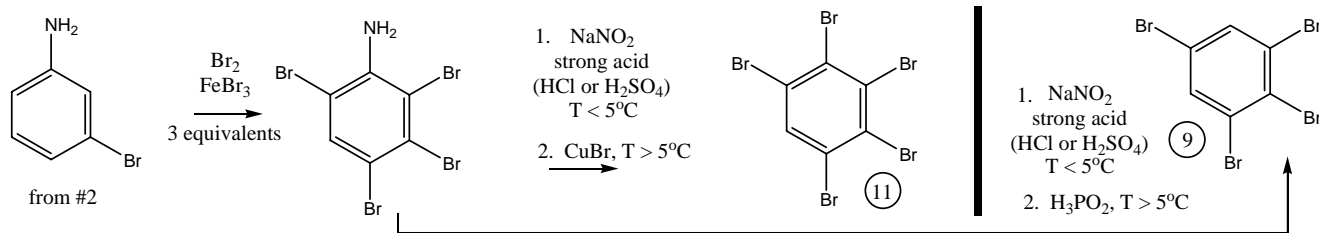
2.



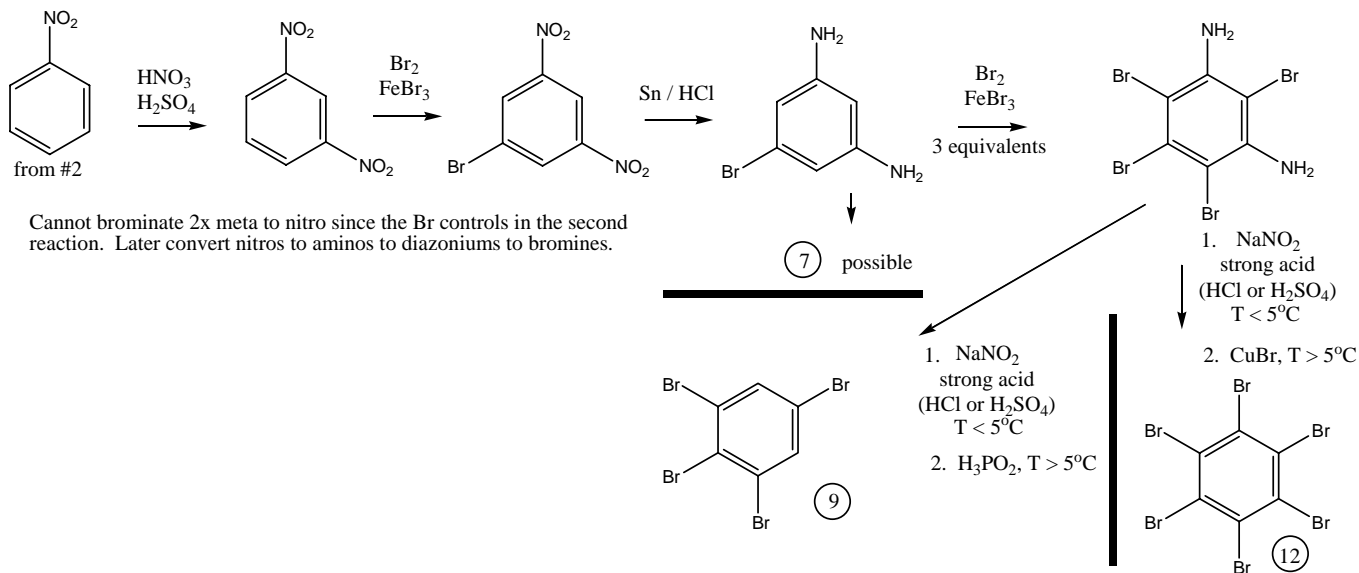
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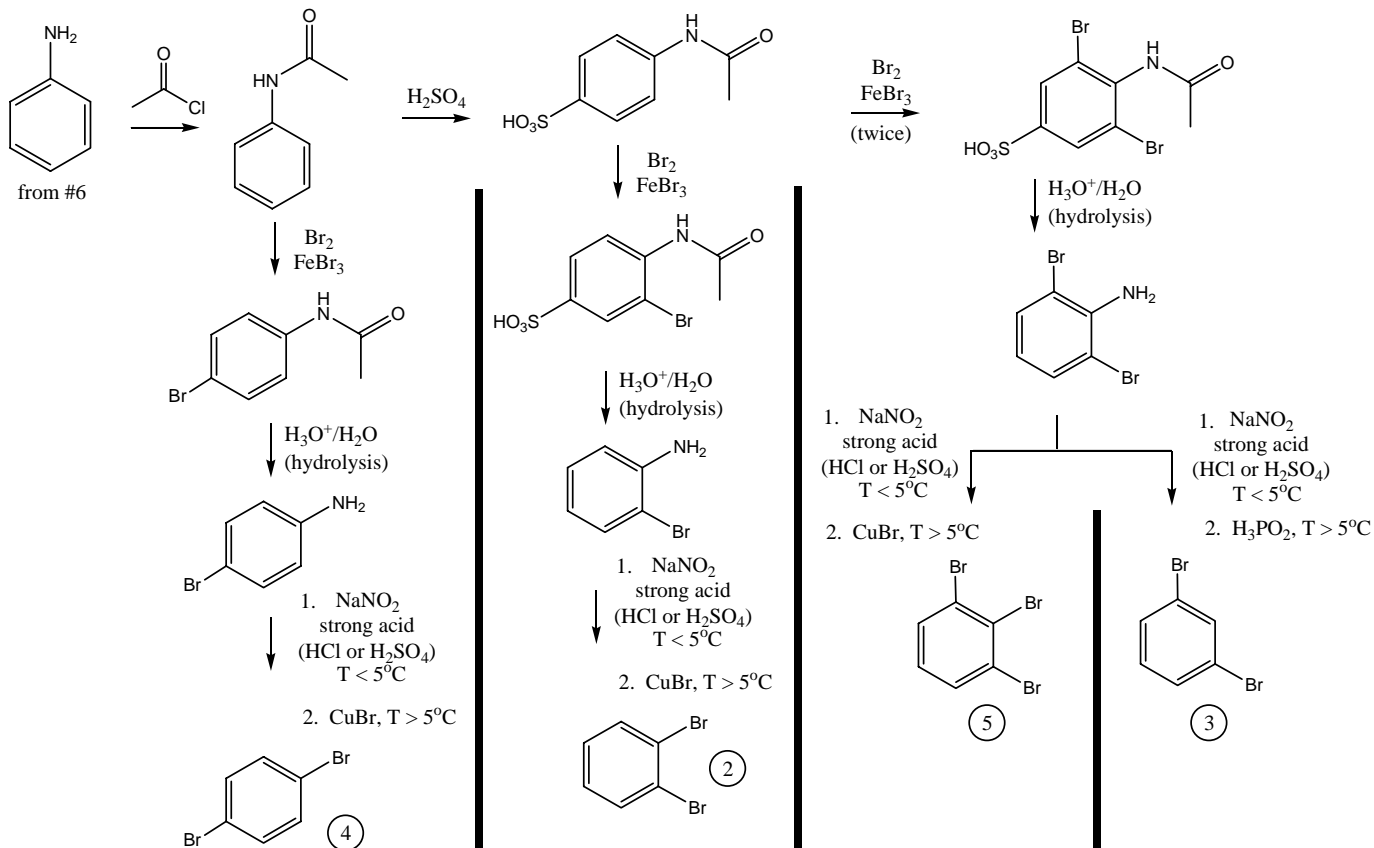
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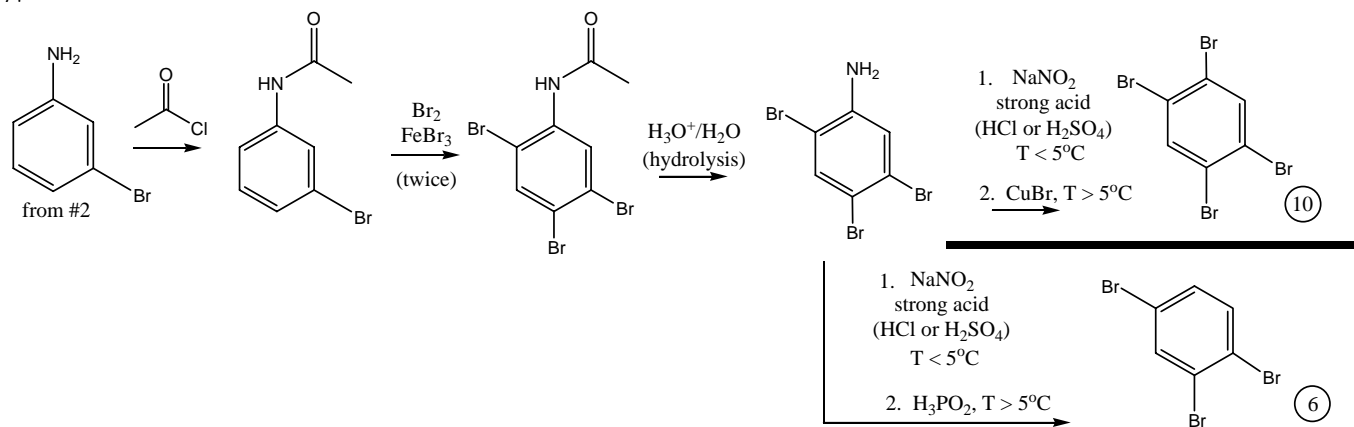
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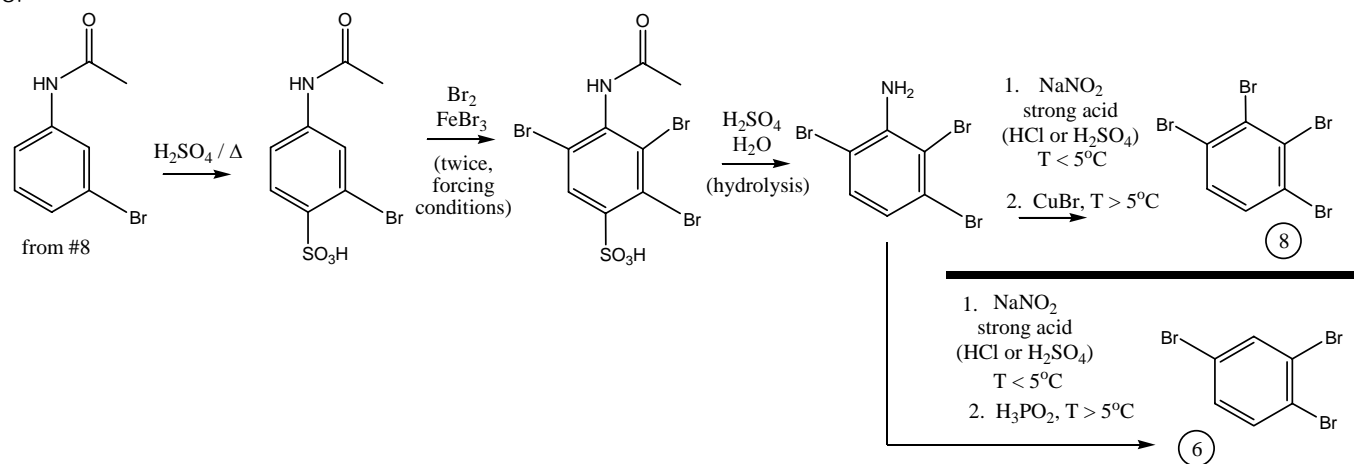
6.



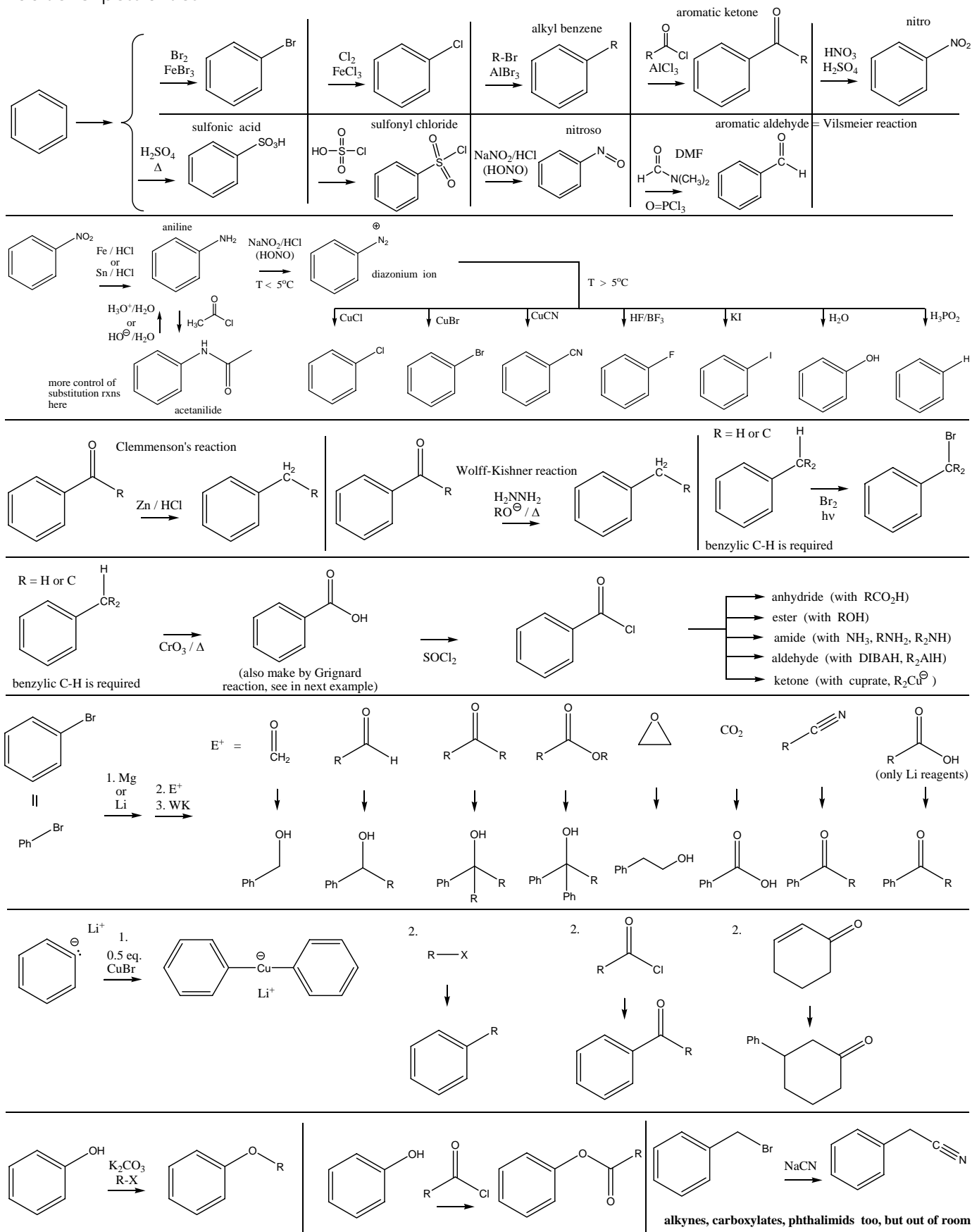
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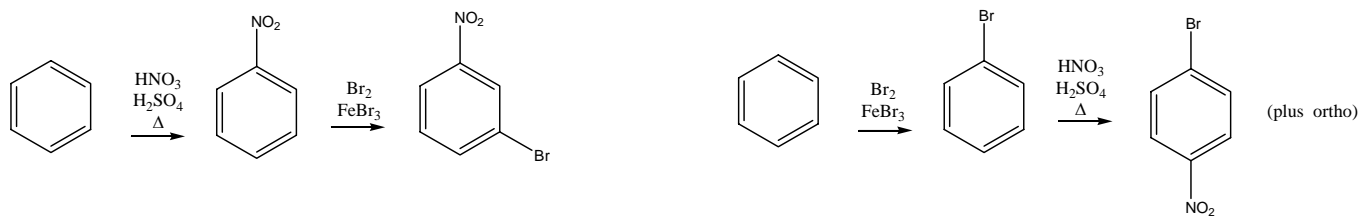
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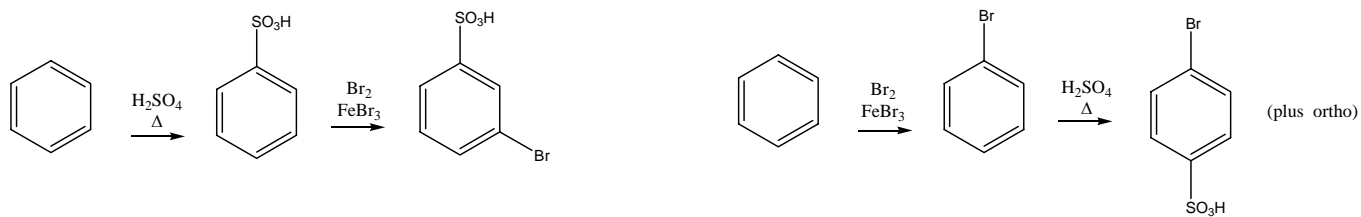
Additional possibilities:



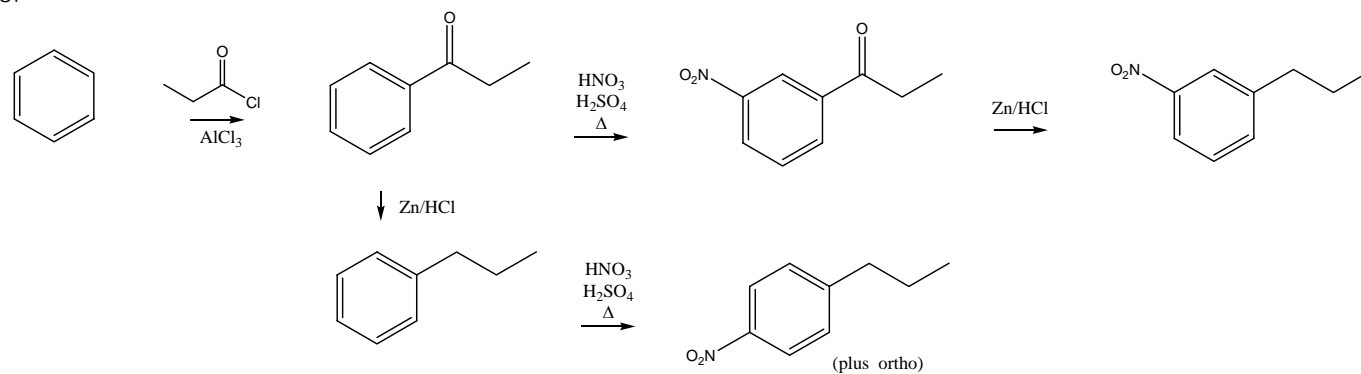
1.



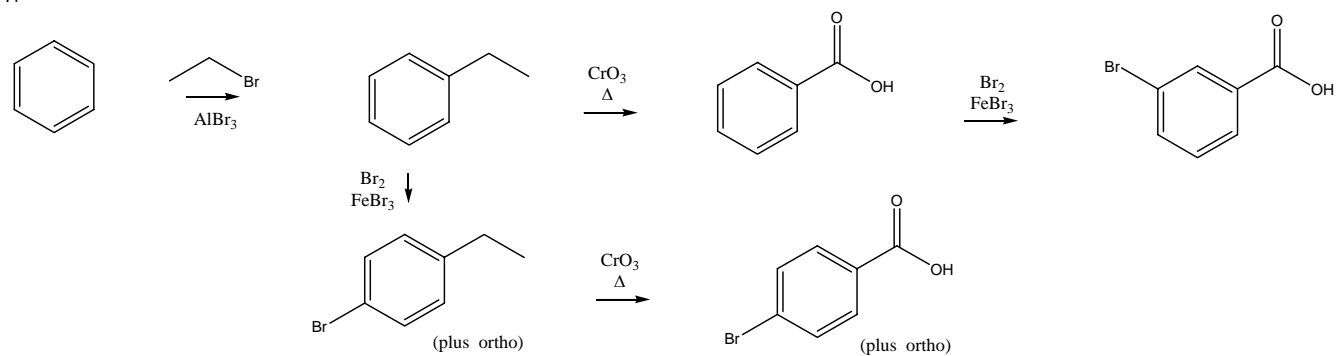
2.



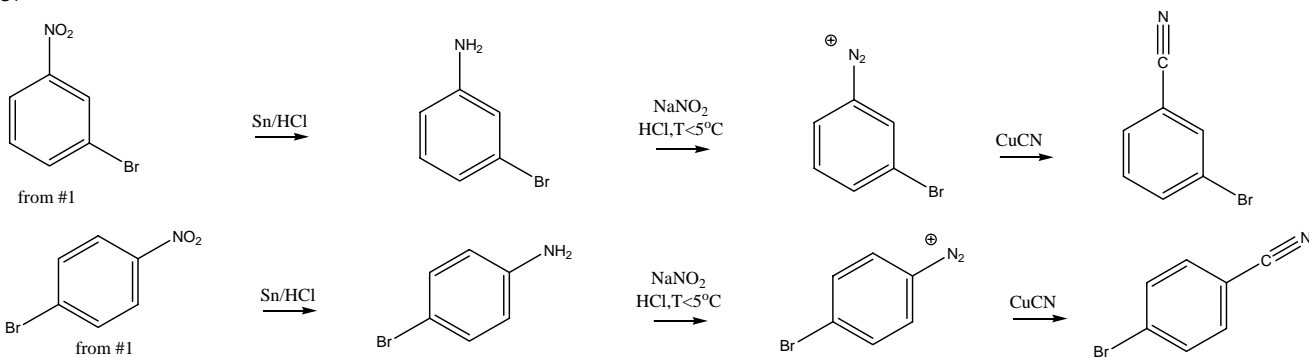
3.



4.



5.



6.

Make up your own problems.