

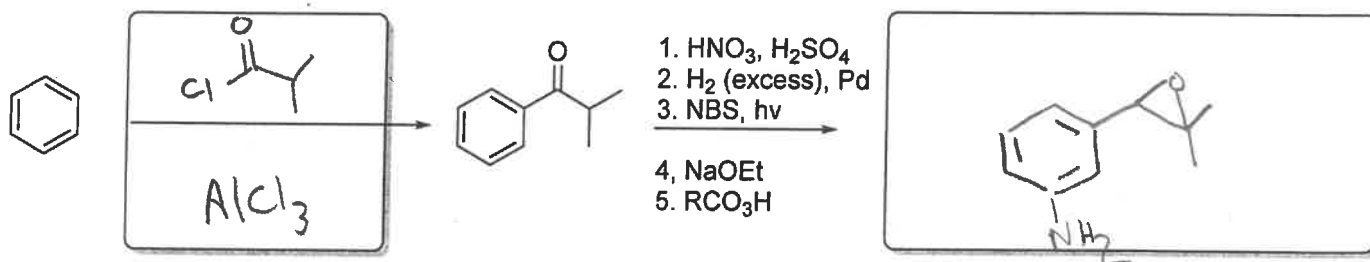
PRE-SPRING BREAK OCHEM IN-CLASS COMPETITION

Team Name: KEY

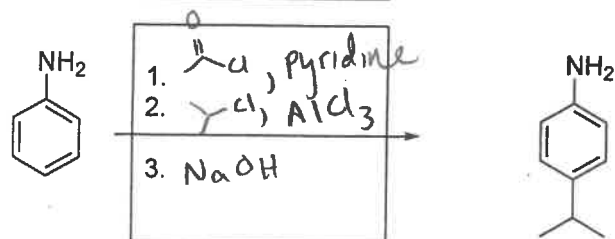
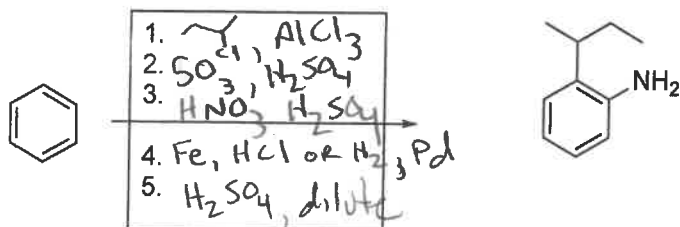
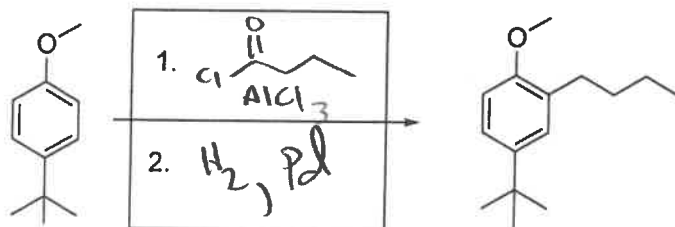
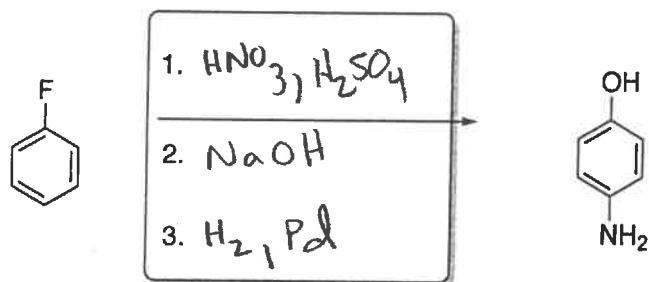
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Members: _____

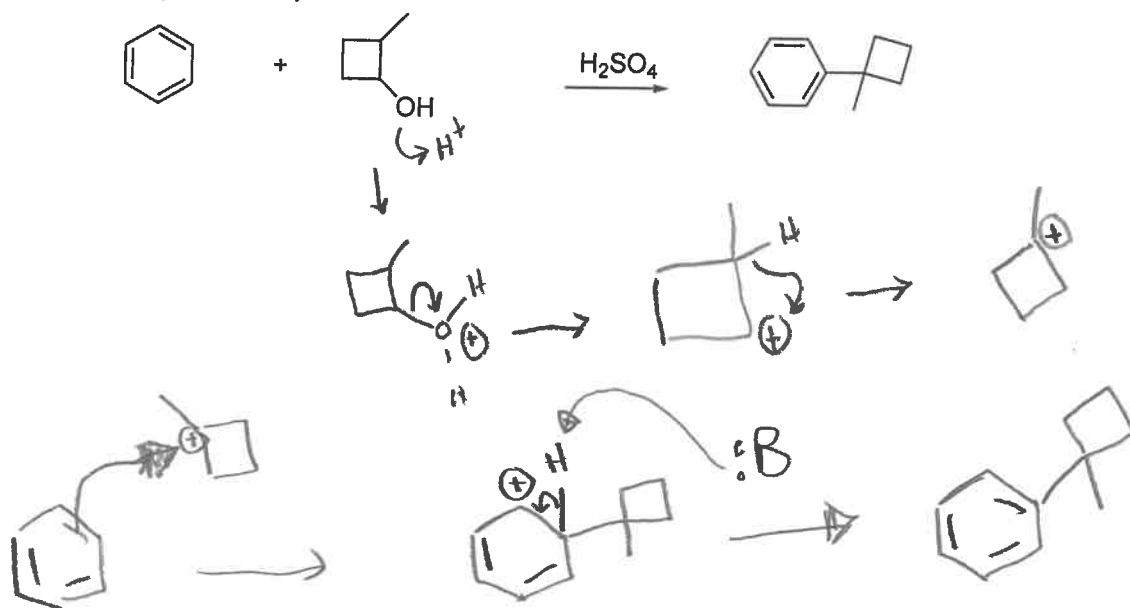
1. Give the reagents and products for the following:



2. Give the reagents for the following:



3. Draw a detailed step-wise mechanism showing the formation of the following product. Include all reactive intermediates and curly arrows in your mechanism.



4. Provide a retrosynthetic analysis for the following molecule starting with benzene and any other starting materials. You may also use any inorganic reagents that may be needed.

