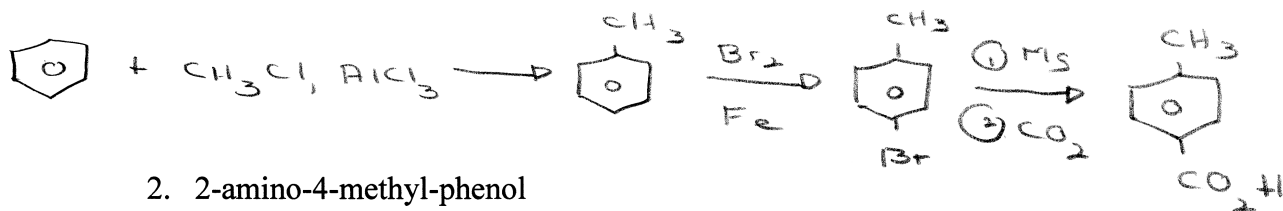


Chapter 23: Diazonium Salts Worksheet

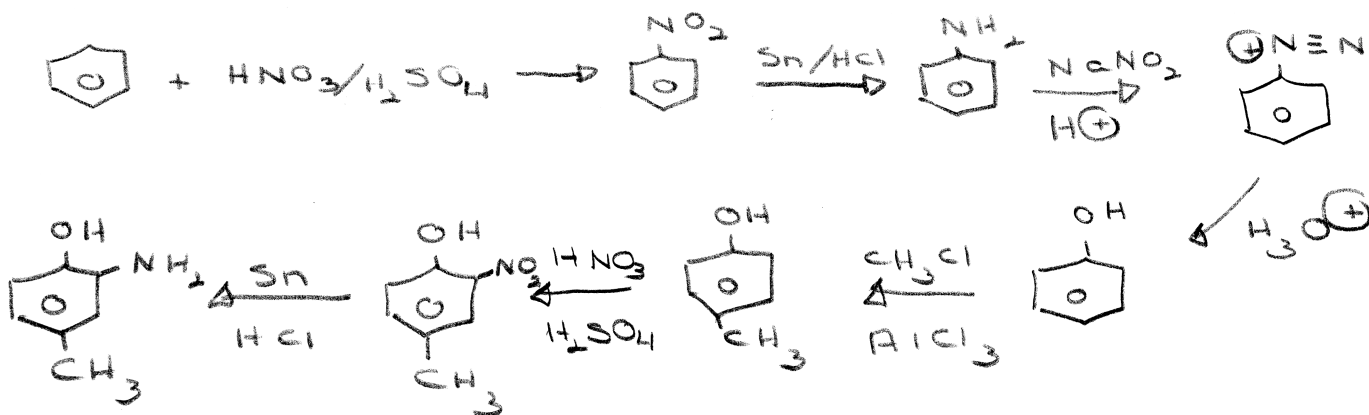
SYNTHESES

A. Synthesize each of the following starting with benzene.

1. *p*-toluic acid (a.k.a. 4-methyl-benzoic acid)



2. 2-amino-4-methyl-phenol



3. *p*-aminobenzenesulfonamide (p-H<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>NHC<sub>6</sub>H<sub>5</sub>)

