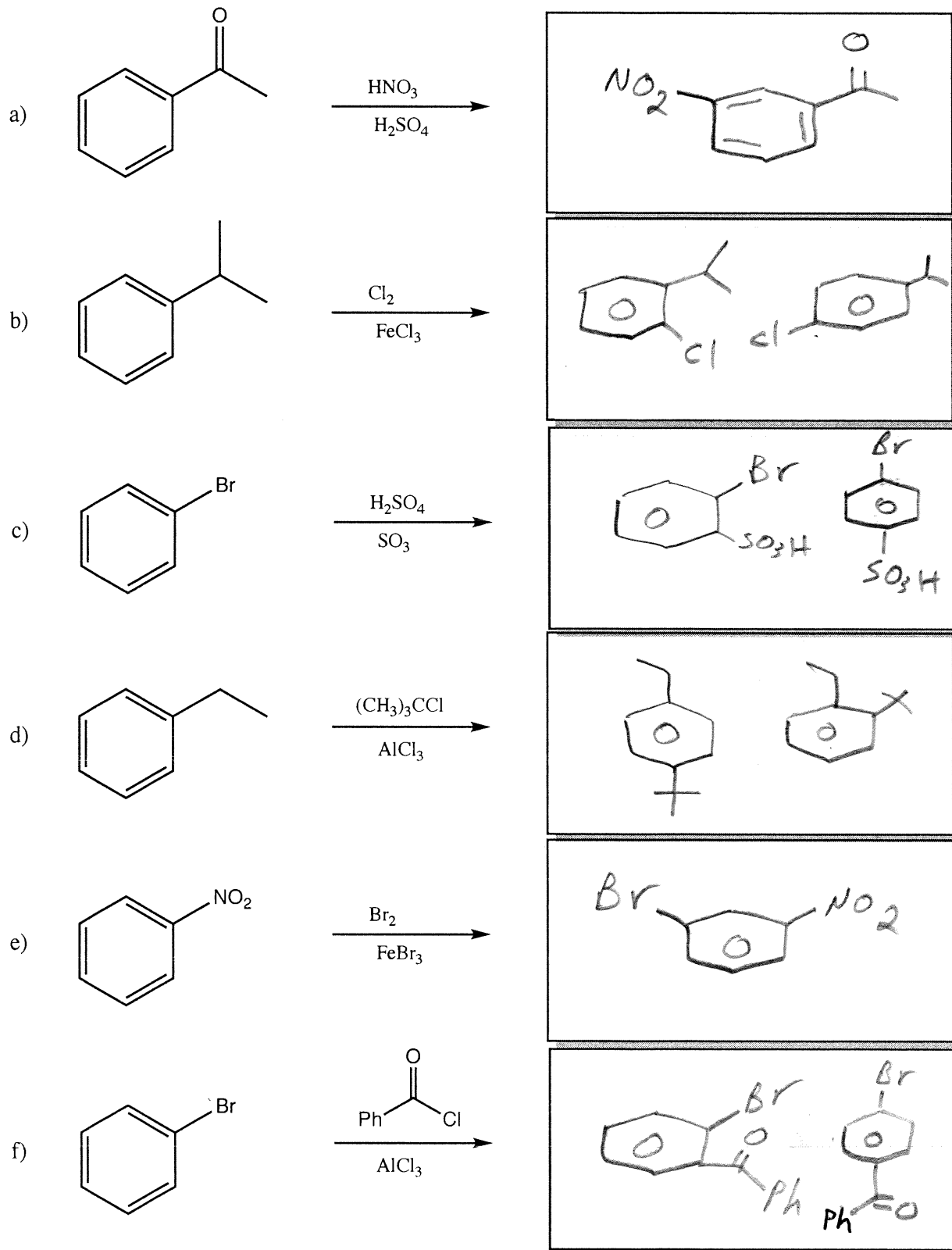


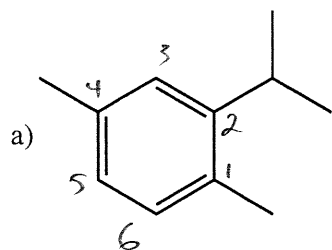
CEM143, Worksheet 3

Key

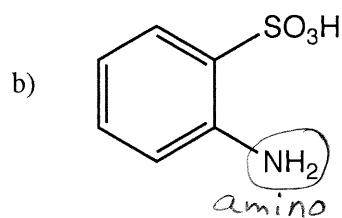
1. Complete the following electrophilic aromatic substitution reactions.



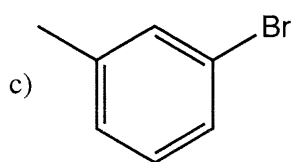
2. Provide the correct name for the following.



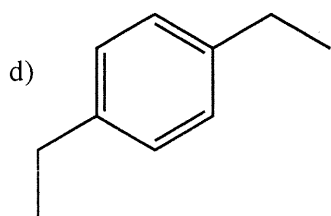
2-isopropyl-1,4-dimethylbenzene
or
2,5-dimethylcumene



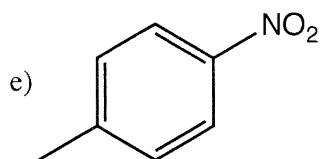
o-aminobenzenesulfonic acid



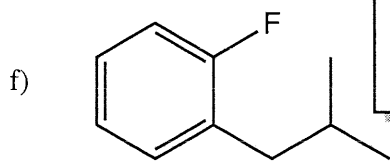
m-bromotoluene



p-diethylbenzene



p-nitrotoluene



o-fluoroisobutylbenzene
1-fluoro-2-isobutylbenzene

3. Complete the following synthesis starting with benzene and any other necessary reagents.

