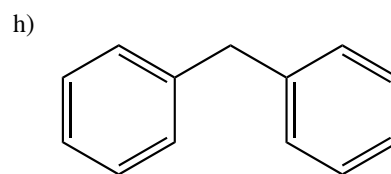
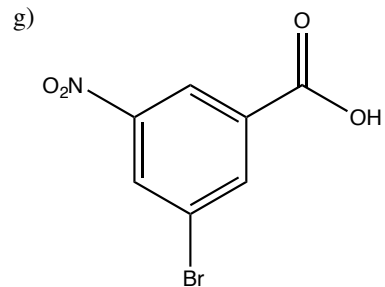
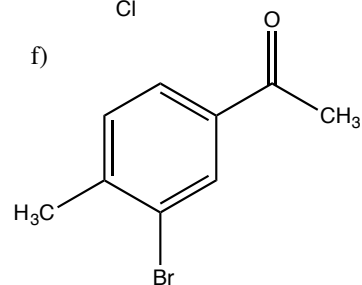
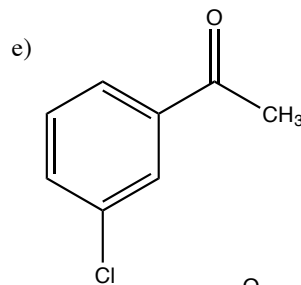
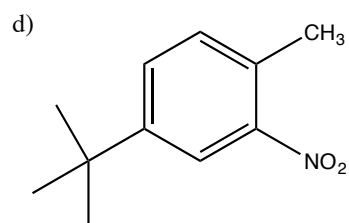
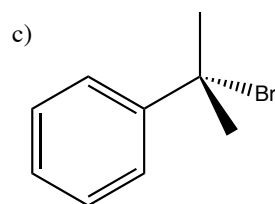
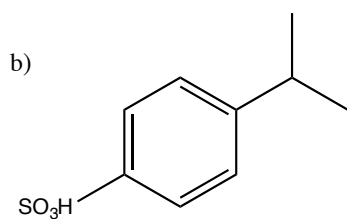
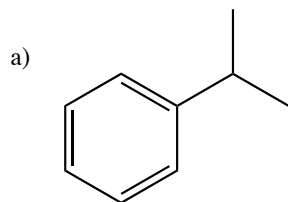
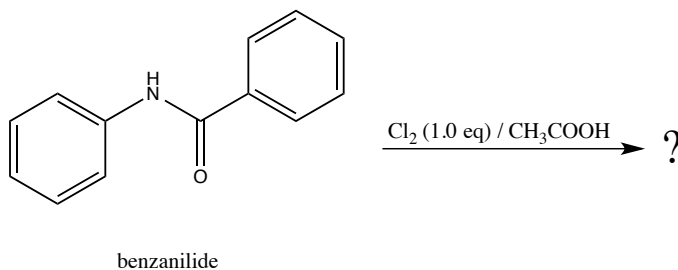


Practice Problems on EAS

1. Write synthetic sequences showing how to prepare each of the following as major products from benzene or toluene and any other necessary organic or inorganic reagents.



2. Benzanilide produces a mixture of two mono-chloro derivatives when it reacts with chlorine in acetic acid. Draw reasonable structures for these two isomers.



3. The following chemical reactions are all reported in the literature as providing a predominantly a single mono-substituted product in acceptable yield. Write the structure of the product.

