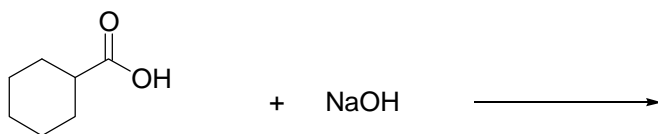
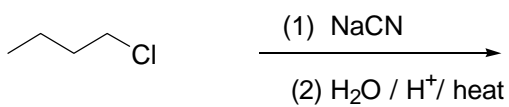
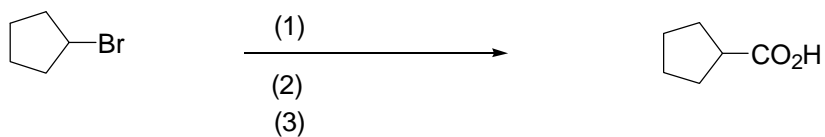
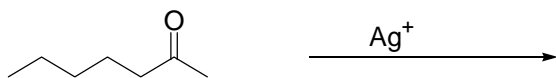
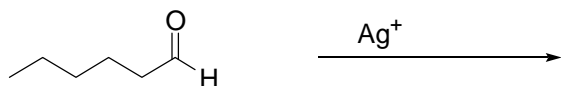
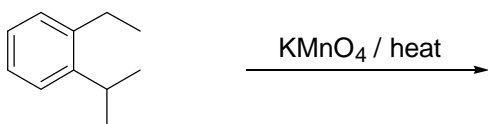
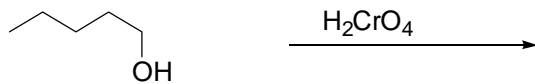


## Carboxylic Acid Preparations

Complete the following reactions:



Which method, Grignard or nitrile, would you use to make benzoic acid from chlorobenzene? Why? Write equations.