- A. Prepare isopropyl cyclohexyl ether using cyclohexene as a starting material. Use the two methods shown below
 - i. Williamson ether synthesis

ii. Alkoxymercuration-demercuration

B. Predict the products, including proper stereochemistry, of the following sequence of reactions:

$$\begin{array}{ccc}
& \text{MCBPA} \\
& \longrightarrow \\
\text{CH}_3 & \text{in CH}_2\text{Cl}_2
\end{array}$$

$$H_3O^+$$