## **WORKSHEET VII**

1. Name the following compounds

2. Give the major product(s) of each of the following reaction

D
$$H_2 \stackrel{\text{NH}_2}{\mid}$$
 $C \stackrel{\text{C}-\text{CH}_3}{\mid}$ 
 $H$ 
1. 3 CH<sub>3</sub>I / pyridine
2. Ag<sub>2</sub>O / H<sub>2</sub>O
3. heat

F 
$$\frac{1. \text{ NH}_2 \text{NH}_2}{2. \text{ heat}}$$

$$\begin{array}{c|c} \textbf{H} & & \textbf{O} \\ & & \parallel \\ & & \textbf{S} - \textbf{CI} \end{array} \begin{array}{c} \textbf{1.} \ \textbf{CH}_3\textbf{CH}_2\textbf{CH}_2\textbf{NH}_2 \\ \hline \textbf{2.} \ \textbf{NaHCO}_3 \end{array}$$

J OCH<sub>3</sub>O + H<sub>2</sub>N 
$$\stackrel{2. \text{LiAlH}_4}{\longrightarrow}$$
 3. H<sub>2</sub>O

L

MeO

NH

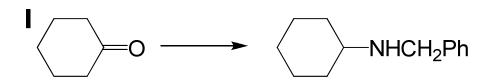
$$\begin{array}{c}
1. \text{ CH}_3\text{Br excess} \\
\hline
2. \text{ Ag}_2\text{O}, \text{ H}_2\text{O}, \text{ Heat}
\end{array}$$

3. How would you achieve the following transformation?

$$A$$
 $Br$ 
 $NH_2$ 

$$F \longrightarrow NH_2 \longrightarrow NH_$$

$$G \longrightarrow NH_2 \longrightarrow CH_2NH_2$$



$$J$$
  $\longrightarrow$   $CH_2NH_2$ 

$$\mathsf{K}$$
  $\longrightarrow$   $\mathsf{CH_2CH_2Br}$   $\longrightarrow$   $\mathsf{CH_2CH_2NH_2}$