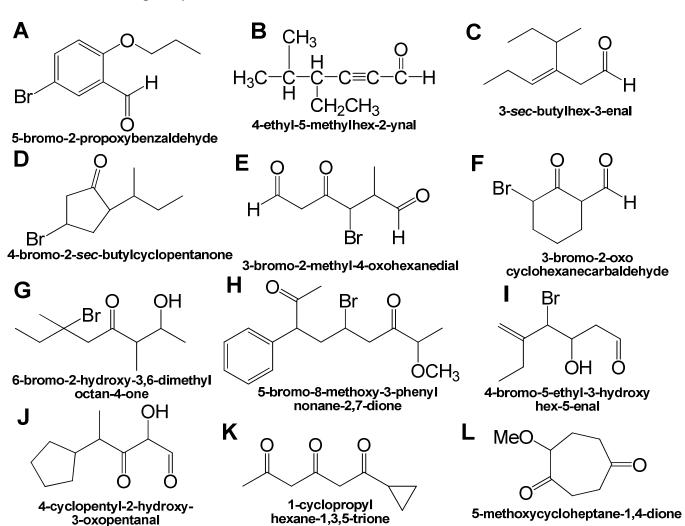
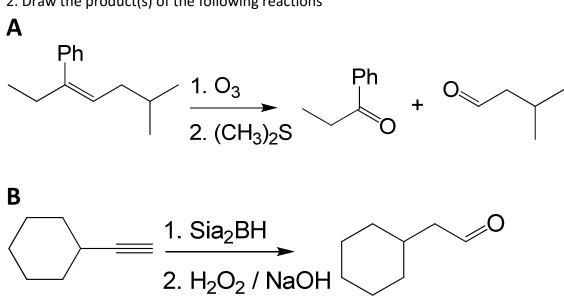
WORKSHEET VI_Keys

1. Name the following compounds



2. Draw the product(s) of the following reactions



$$= N \xrightarrow{1. CH_3CH_2MgBr}$$

$$2. H_3O^+$$

D

Ε

F

G

$$\begin{array}{c|c} O & & \\ \hline \\ H_2NNH_2 \\ \hline \\ H_3O^+ \end{array}$$

Н

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$$\begin{array}{c|c}
 & O \\
\hline
 & 1. \text{ LiAlH}_4 \\
\hline
 & 2. \text{ H}_3\text{O}^+
\end{array}$$

3. How would you achieve the following transformation?

Α

В

C

D

$$= \underbrace{\frac{1. \operatorname{Sia_2BH}}{2. \operatorname{H_2O_2}, \operatorname{NaOH}}}^{C}$$

E

$$\begin{array}{c|c} - & & \\ \hline \\ H & \\ \hline \\ H_3O^+ \end{array} \begin{array}{c} NH \\ \hline \\ H \end{array}$$

G

Н

$$= \frac{H_2O_{,}}{H_2SO_{4}, Hg_2^+}$$

ı

J

$$\bigcirc O \xrightarrow{NH_2} \bigcirc N$$