Week 7 Worksheet Blank

1.) Predict the reagents for the following reactions.

a. )

\[
\begin{array}{c}
\text{O} \\
\text{Cyclohexanone} \\
\text{O} \\
\text{Ethoxylation}
\end{array}
\]

b. )

\[
\begin{array}{c}
\text{O} \\
\text{2-Octanone} \\
\text{OH} \\
\text{Ozone Addition}
\end{array}
\]
2. Provide a numbered list for the following syntheses.
3. Provide an arrow pushing mechanism for the tautomerization of the keto molecule into the enol molecule in both acidic and basic conditions.