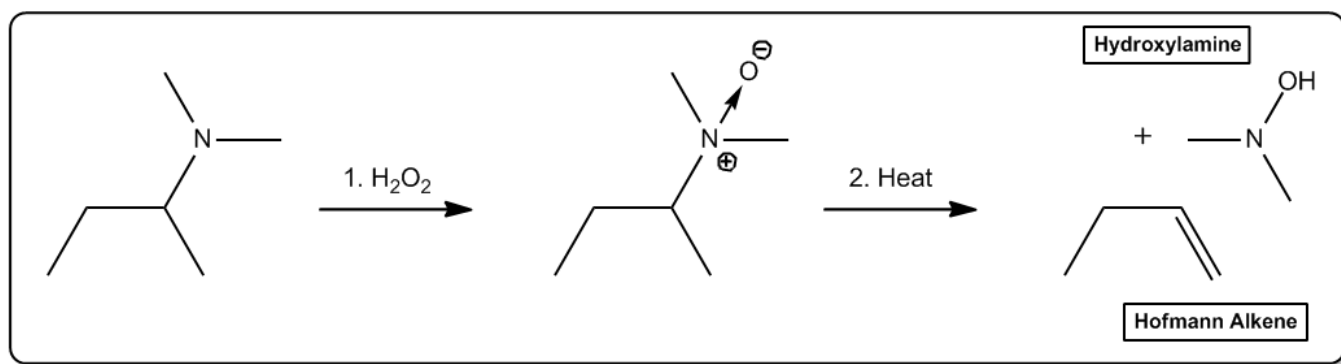


CONCEPT: COPE ELIMINATION

Amines are easily oxidized. Tertiary amine oxides have the ability to self-eliminate, favoring a *Hofmann Product*.

- The tertiary amine oxide, or *N-oxide*, contains a *dative* (also known as dipolar) covalent bond.
 - This represents that both electrons came from one atom. Denoted as $N \rightarrow O$ in some texts



Cope Elimination Mechanism:

EXAMPLE: Predict the product for the following reaction.

