## Methods for Making Aldehydes Used in ChemCoach *Synthesis*Reactions from Carey Chapters 4 – 6

RCH=CHR 
$$\frac{1. O_3, CH_3OH}{2. (CH_3)_2S}$$
  $\stackrel{O}{\longrightarrow}$  RCH

Reaction is synthetically useful for symmetrical alkenes and cyclic alkenes.

$$RR'C = CH_2 \xrightarrow{1. O_3, CH_3OH} \xrightarrow{0} RCR$$

Reaction also makes formaldehyde, which can be removed easily.