

## CONCEPT: OZONOLYSIS – FULL MECHANISM

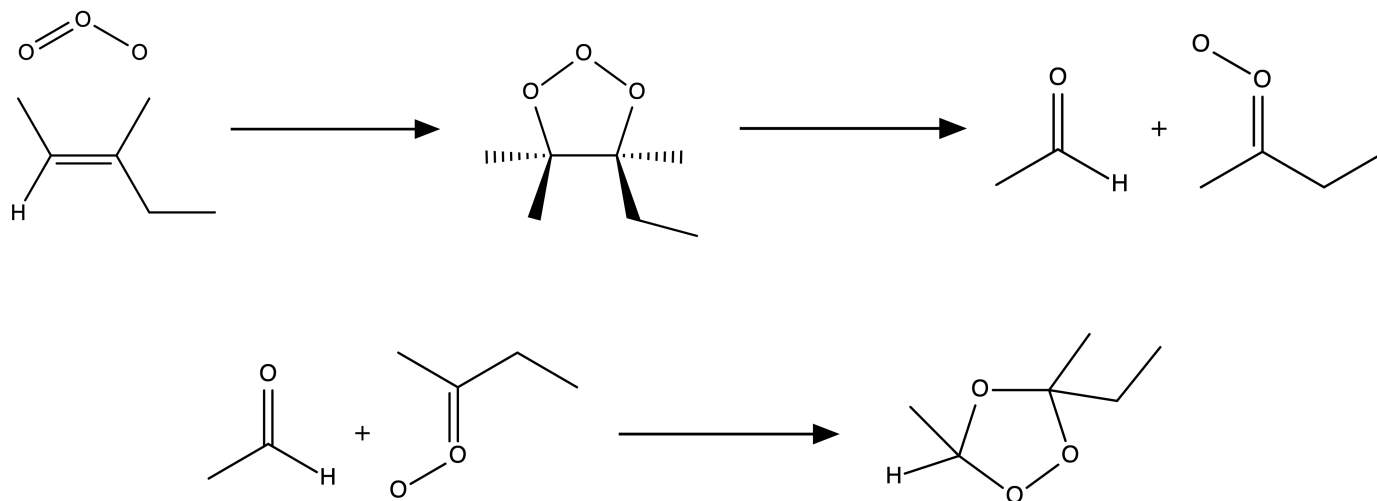
The mechanism for ozonolysis proceeds through multiple \_\_\_\_\_ intermediates.

● Ozonolysis is combined with either a *reductive*, or an *oxidative* workup

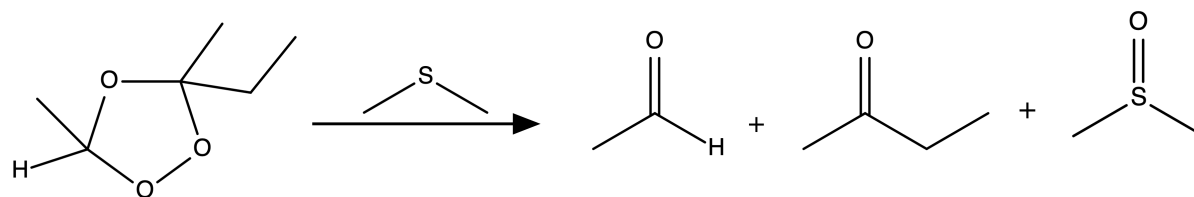
□ Reductive workup: **S(CH<sub>3</sub>)<sub>2</sub>** or **Zn/HOAc**

□ Oxidative Workup: **H<sub>2</sub>O<sub>2</sub>**

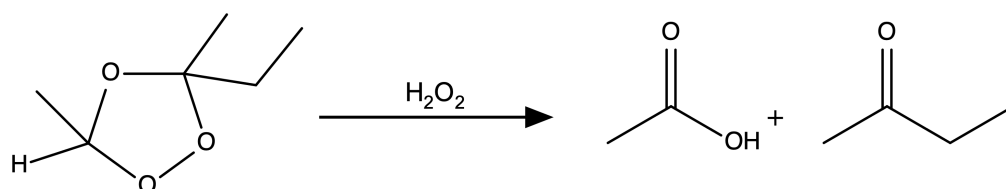
### Ozonolysis Mechanism:



### Reductive Workup Mechanism:



### Oxidative Workup Mechanism:



**PRACTICE:** Predict the products and show the full mechanism for the following reaction

