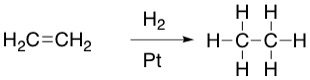
CHEM 261 November 4, 2020

**Oxidation and reduction reactions**

Reduction adds electrons

Oxidation removes electrons

**Reduction Reaction**



12 e- 14 e-

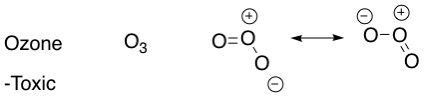
outer shell outer shell

As there is an increase in the electron count in the outer shell, this is a reduction of ethylene.

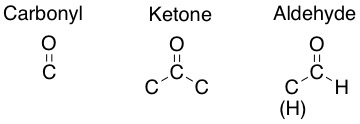
**Ozonolysis**

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**Ozonolysis** (lysis = cleavage)

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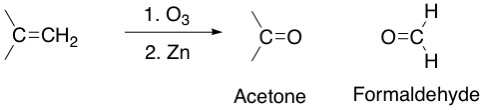
**Examples of carbonyl groups (part of many functional groups)**

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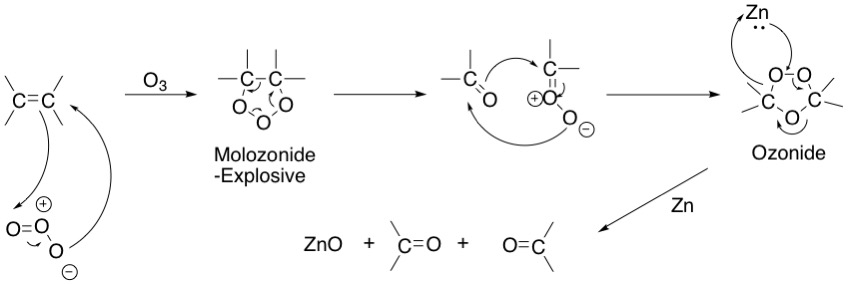
**Reaction scheme of ozone**

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**Example**

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**Ozonolysis Mechanism** (lysis = cleavage)

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**Example**: Myrcene – C10H17

