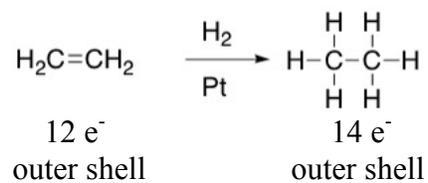


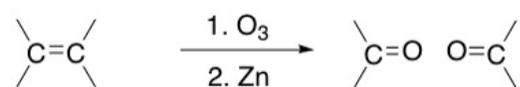
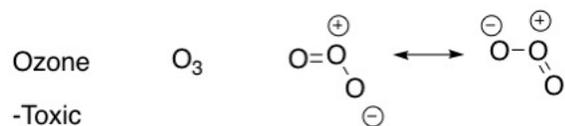
**Oxidation and reduction reactions**

Reduction adds electrons

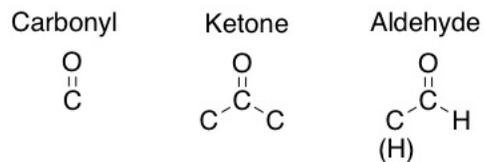
Oxidation removes electrons

**Reduction Reaction**

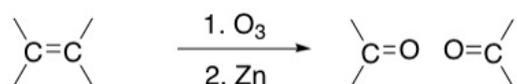
As there is an increase in the electron count in the outer shell, this is a reduction of ethylene.

**Ozonolysis****Ozonolysis** (lysis = cleavage)

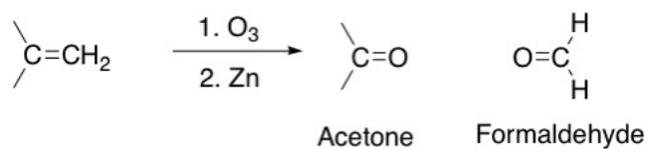
## Examples of carbonyl groups (part of many functional groups)



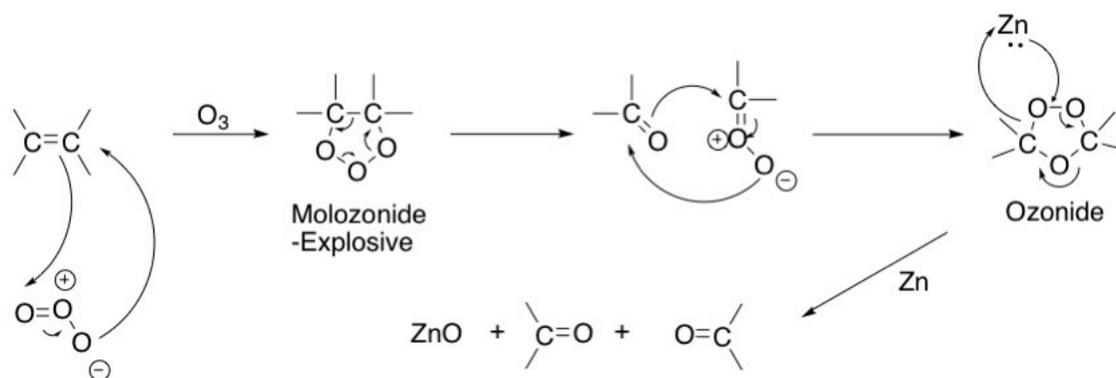
## Reaction scheme of ozone



## Example



## Ozonolysis Mechanism (lysis = cleavage)



**Example:** Myrcene – C<sub>10</sub>H<sub>17</sub>

