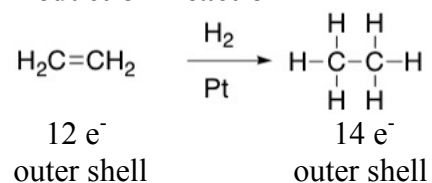


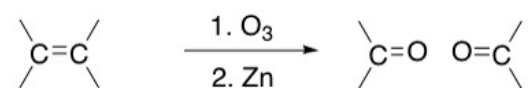
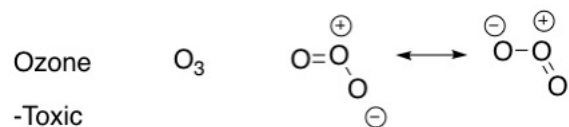
Oxidation and reduction reactions

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)

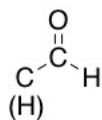
Carbonyl



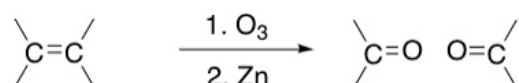
Ketone



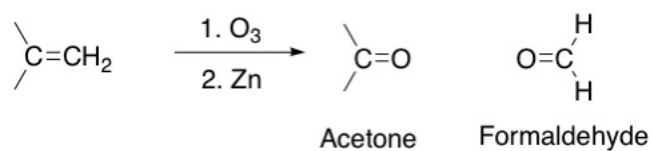
Aldehyde



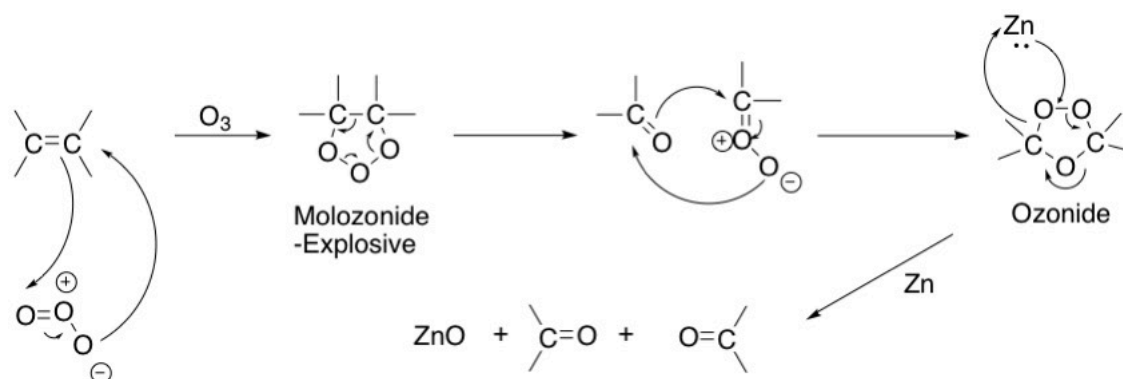
Reaction scheme of ozone



Example



Ozonolysis Mechanism (lysis = cleavage)



Example: Myrcene – C₁₀H₁₇

