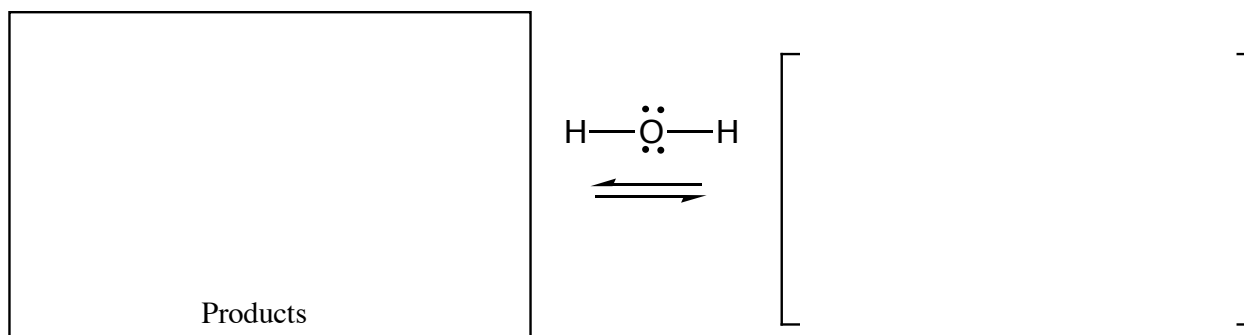
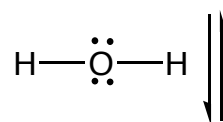
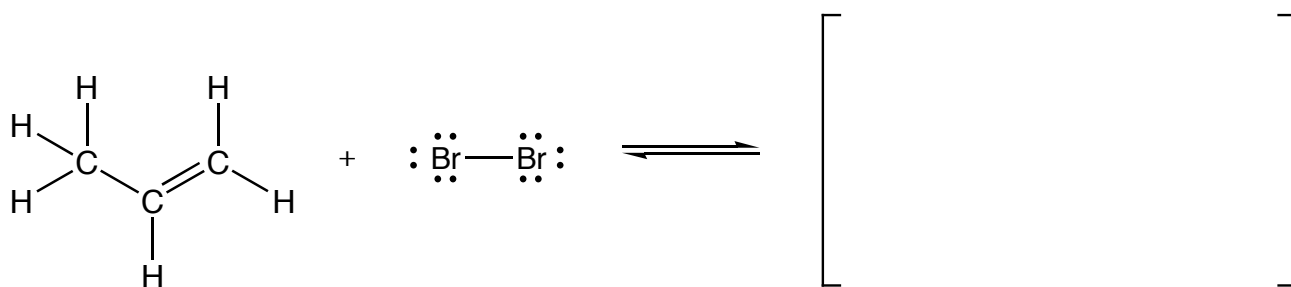


Alkene Hydrohalogenation

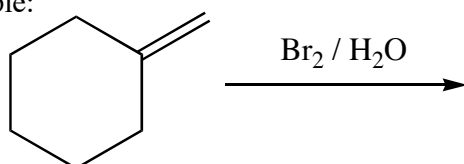


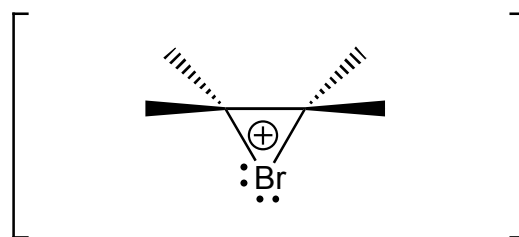
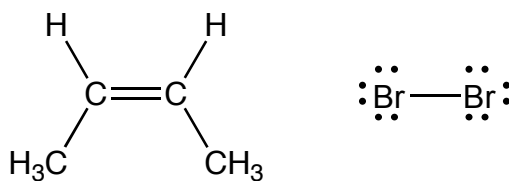
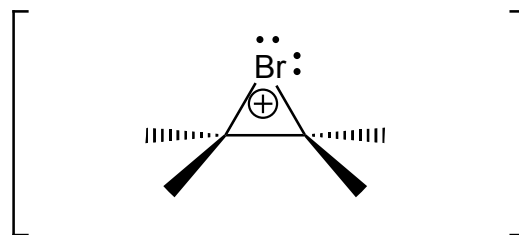
Summary:

Regiochemistry:

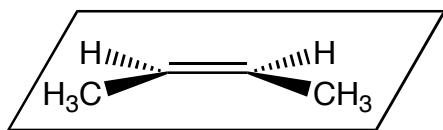
Stereochemistry:

Example:

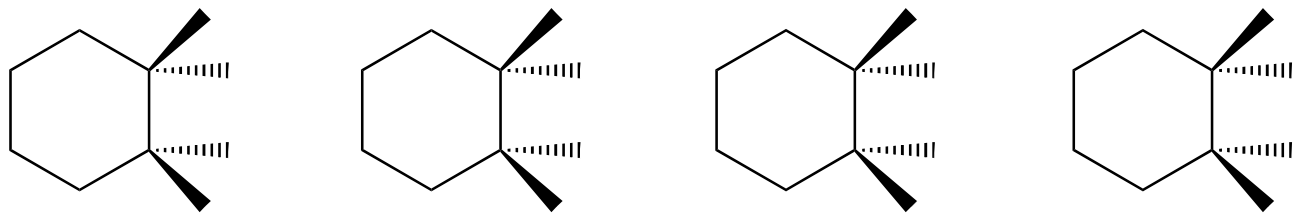




Attack from the top face

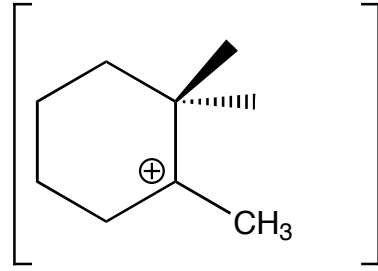
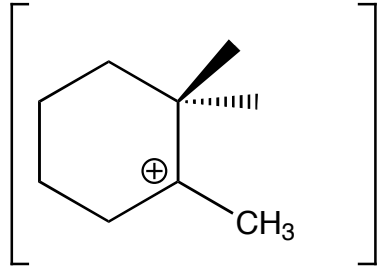


Attack from the bottom face



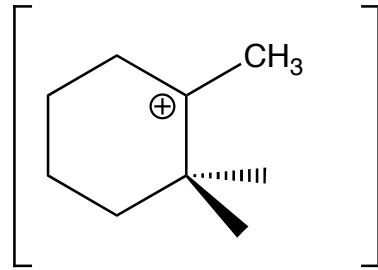
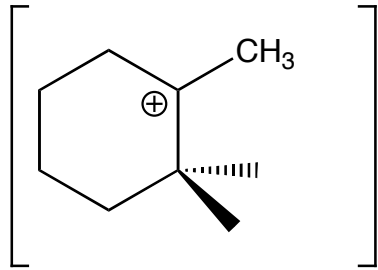
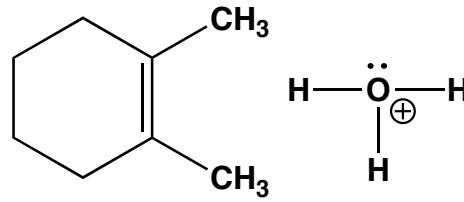
H_2O ↙ *Two mechanism steps* ↘ H_2O

H_2O ↙ *Two mechanism steps* ↘ H_2O



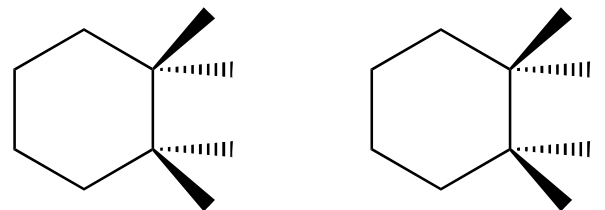
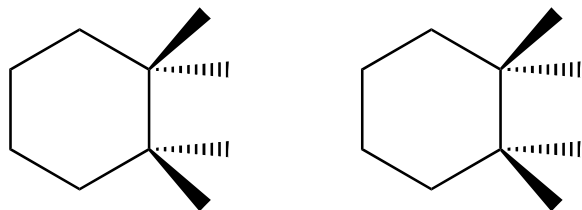
H atom adds to top face

H atom adds to bottom face

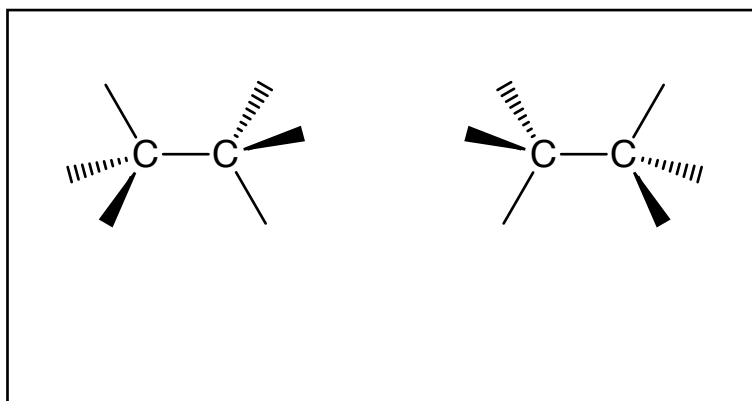
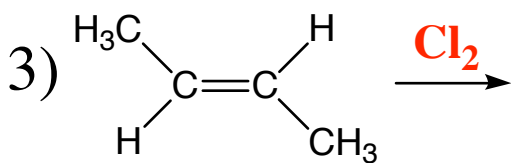
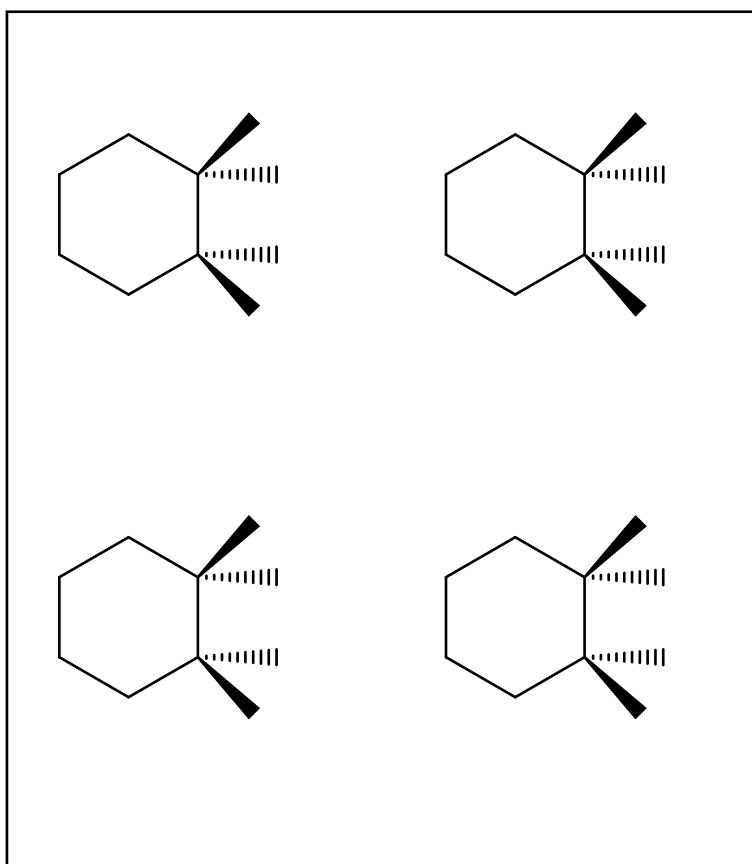
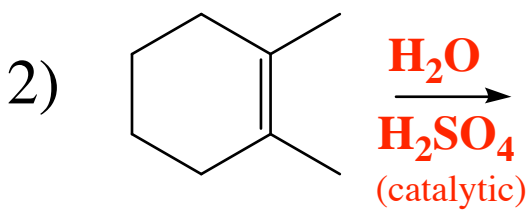
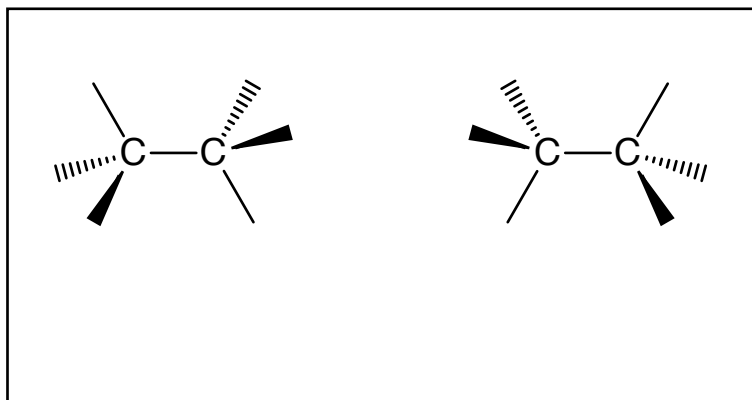
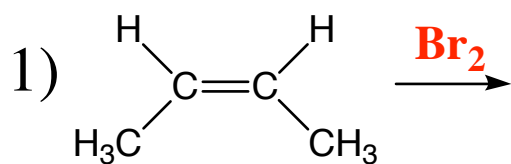


H_2O ↙ *Two mechanism steps* ↘ H_2O

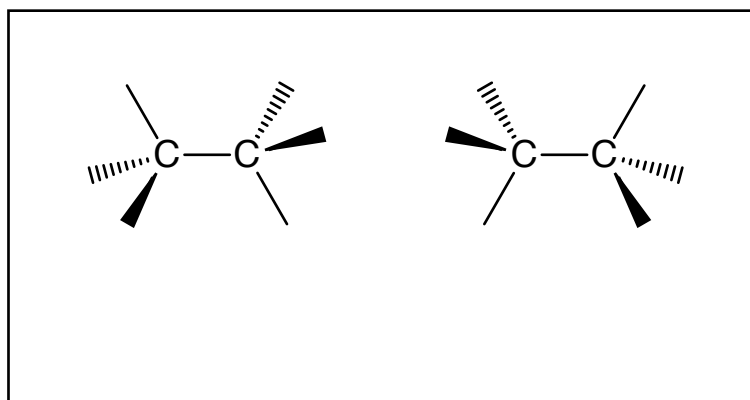
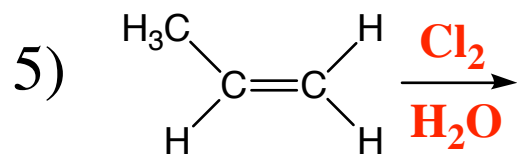
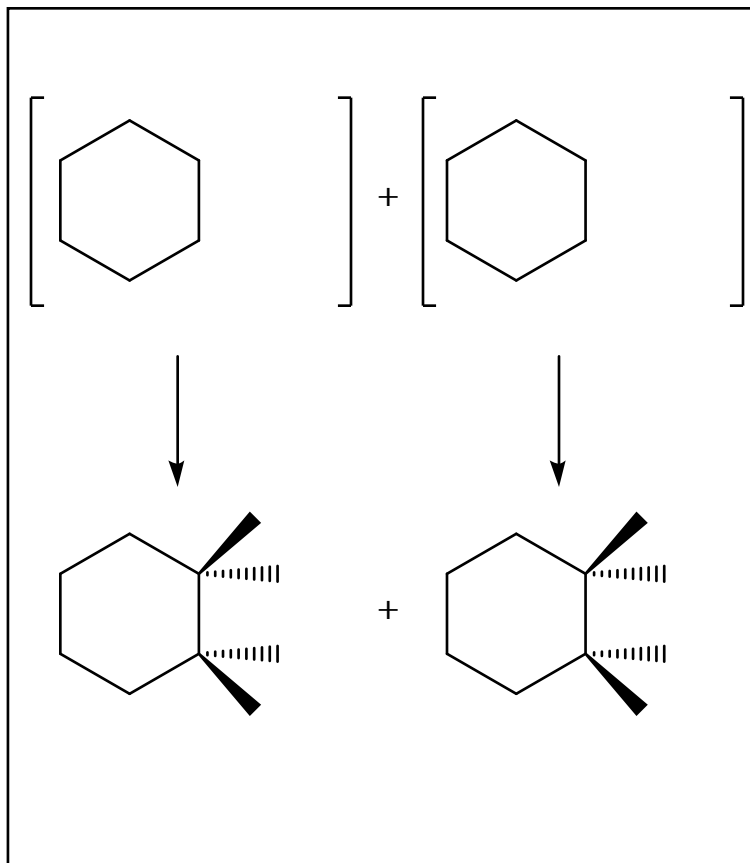
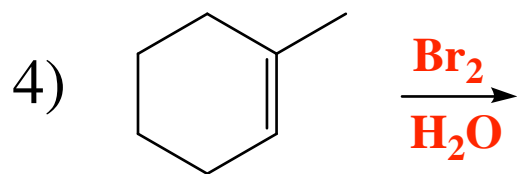
H_2O ↙ *Two mechanism steps* ↘ H_2O



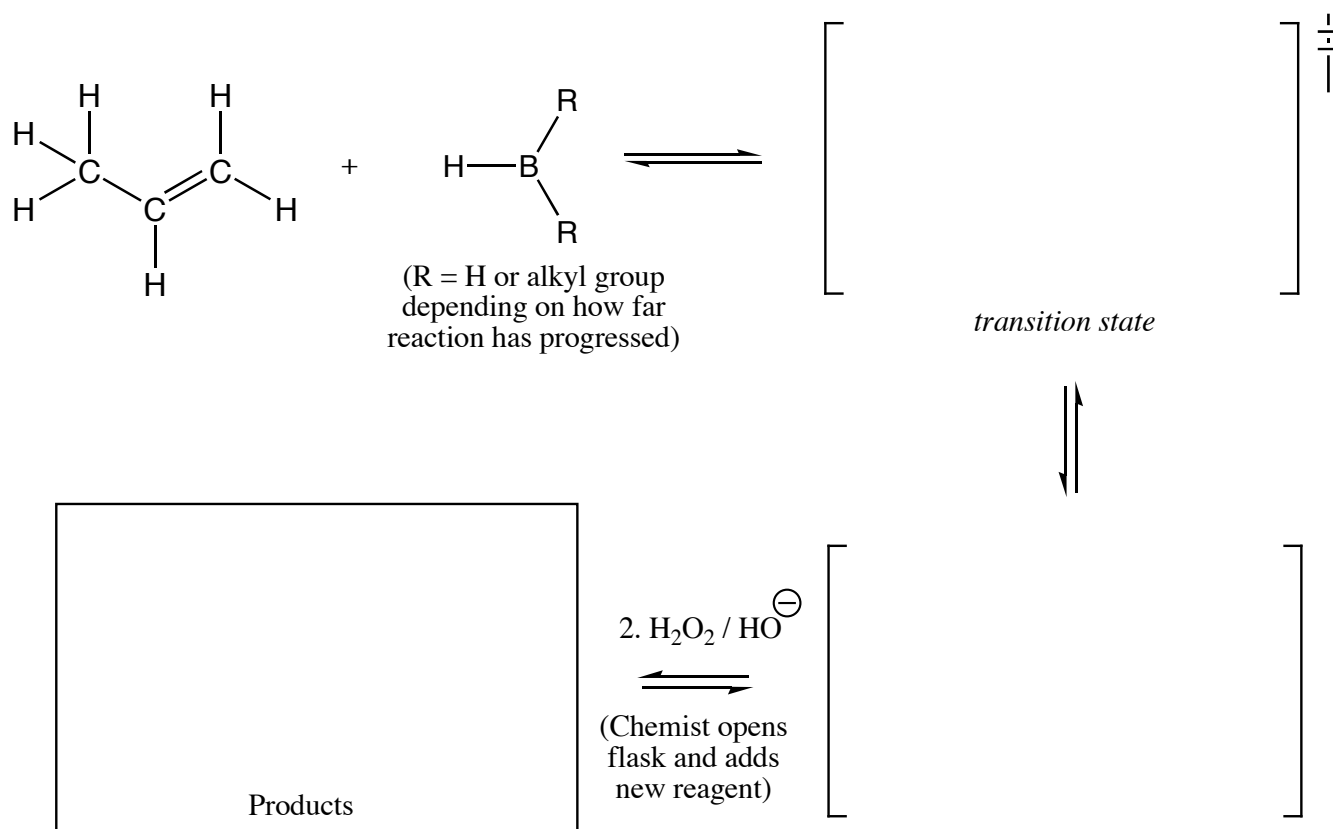
Examples



More Examples



Hydroboration-Oxidation

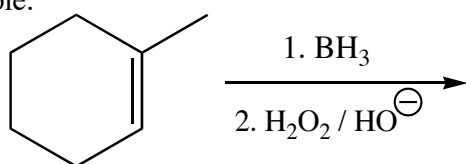


Summary:

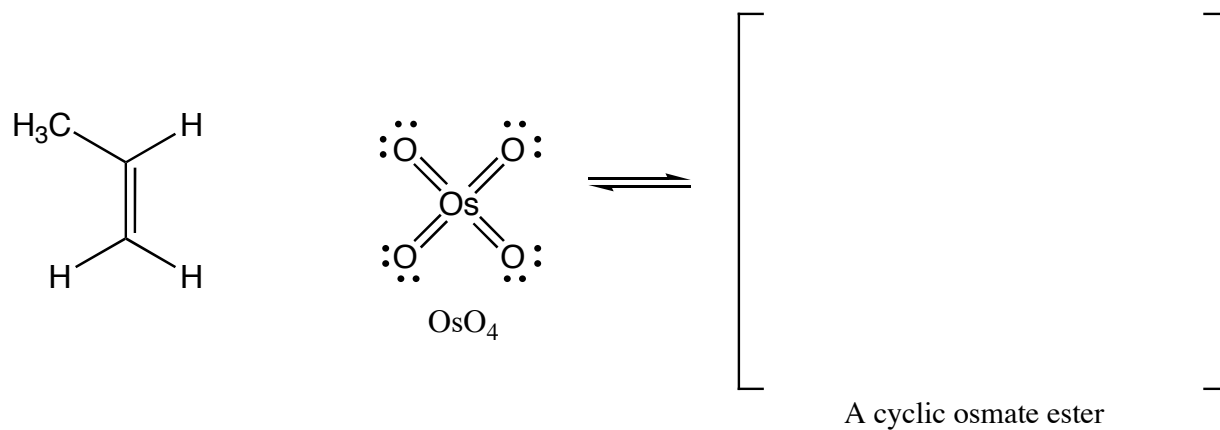
Regiochemistry:

Stereochemistry:

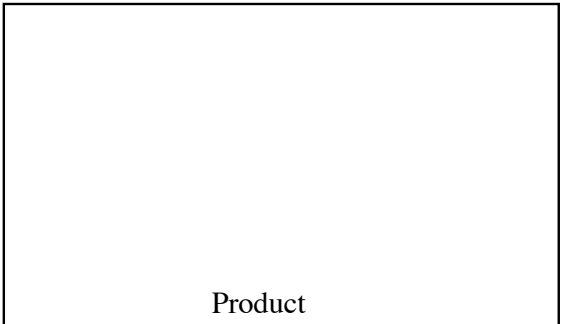
Example:



OsO₄ Partial Mechanism



2. NaHSO₃ / H₂O
(Chemist opens up flask) ⇌

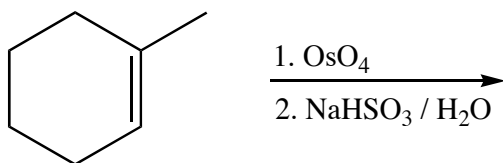


Summary:

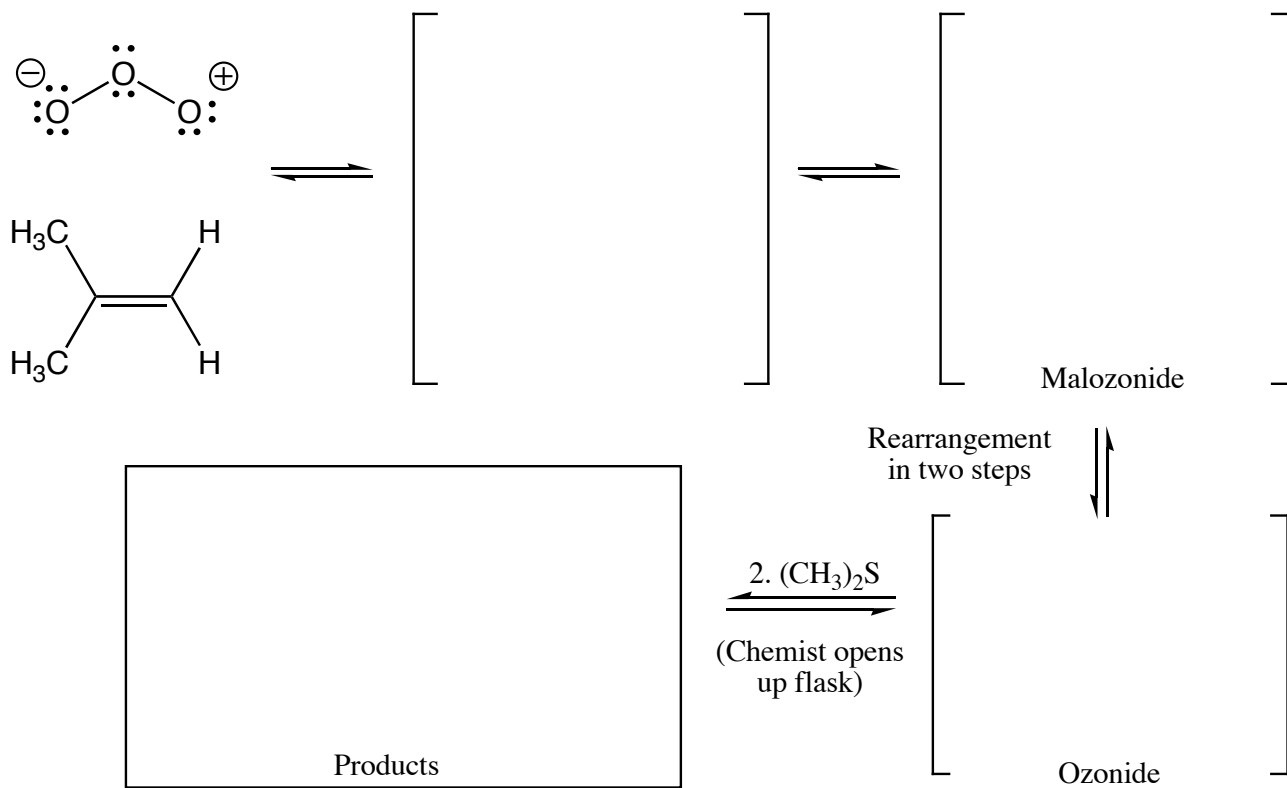
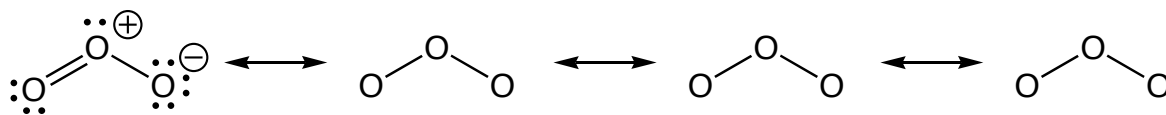
Regiochemistry:

Stereochemistry:

Example:



Ozonolysis Partial Mechanism

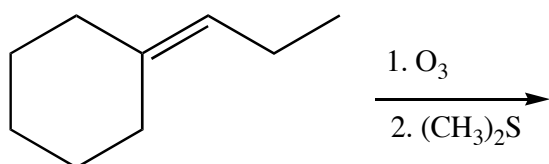


Summary:

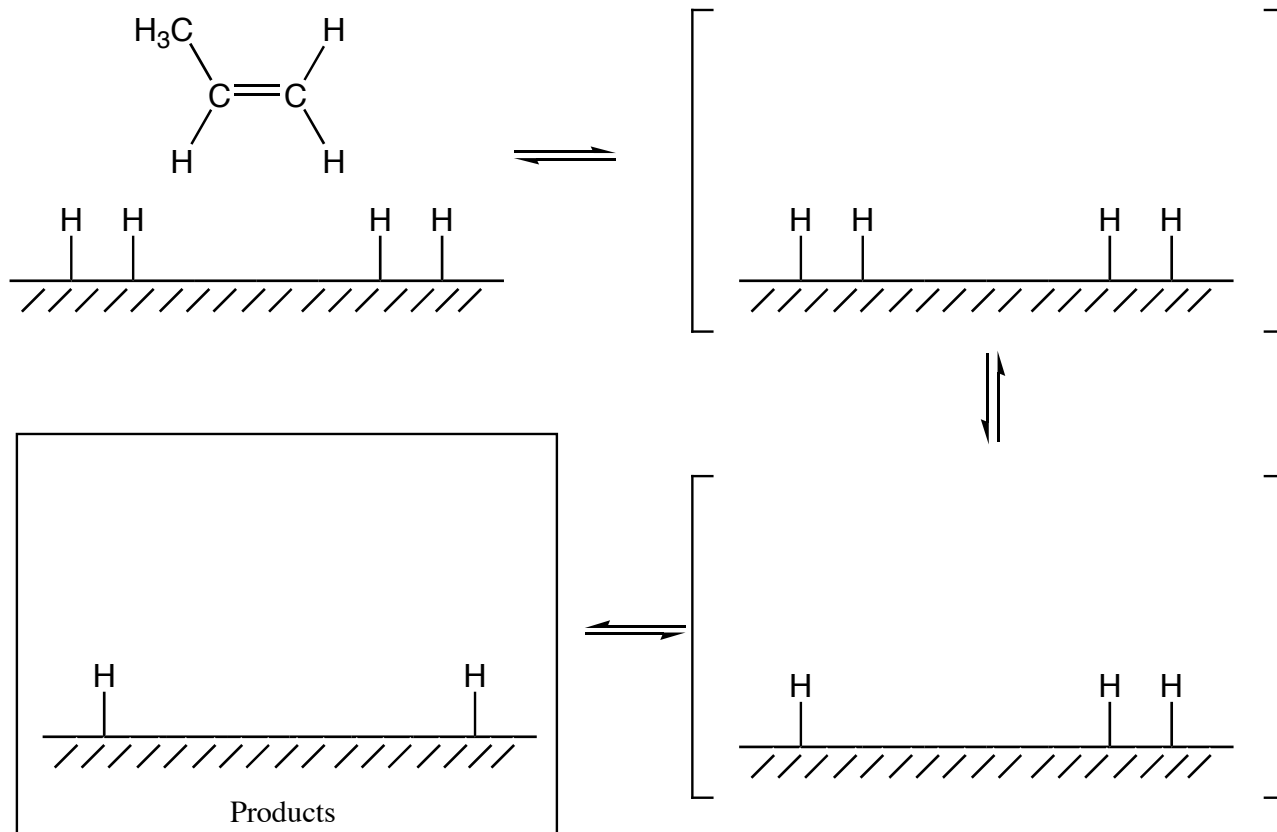
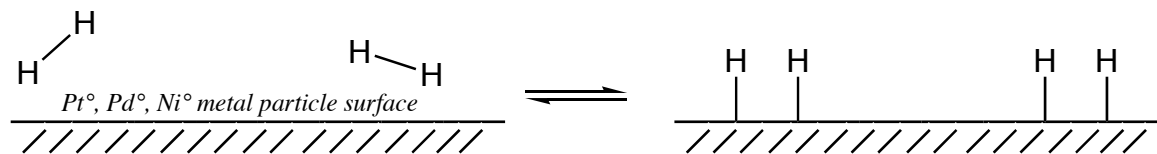
Regiochemistry:

Stereochemistry:

Example:



Hydrogenation: H_2 with Pt^0 , Pd^0 , Ni^0



Summary:

Regiochemistry:

Stereochemistry:

Example:

