CHEM 261 October 28, 2020

**Halogenation:** Addition of halogens across a double bond



**Ex #1)** Cyclopentene **Stereospecific Reaction**



**Ex #2)** 1,2-dimethylcyclopentene



**Mechanism:**

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**Ex #3)** 2-Methylpropene



**Markovnikov’s Rule:** In an addition reaction, the positive end of an A­­–B system

(e.g. I–Cl) adds to the least substituted end of the double bond to make the more stable carbocation.