

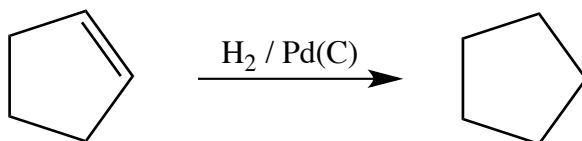
Chem 343 – Organic Reactions

Chapter 4

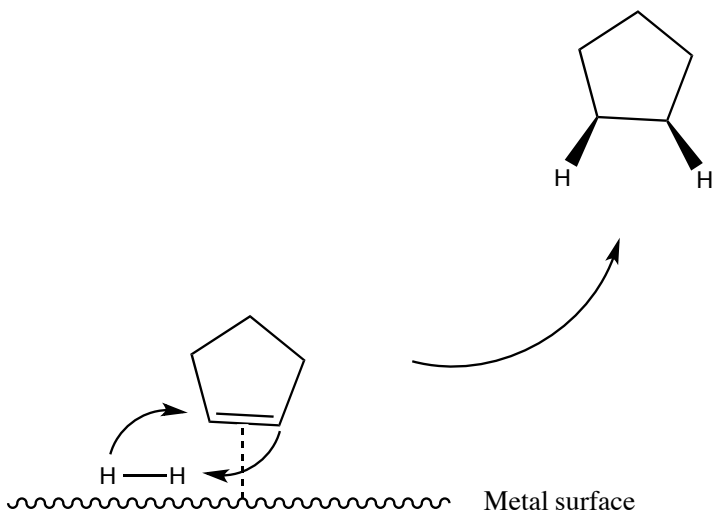
Prepared by José Laboy, MS

<http://www.chem.wisc.edu/areas/clc> (Resource page)

Alkene Reactions #2: Hydrogenation of Alkenes



Mechanism



According to research the alkene and hydrogen both adsorb on the metal surface, e.g., Pt, Pd, Ni or Rh. The hydrogen atoms both attach on the same face of the alkene. The reaction is a stereospecific **syn** addition.