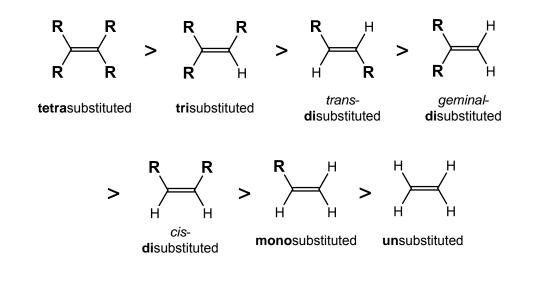
## **Relative Stability of Alkenes**

- More substituted alkenes are more stable.
- Having sterically demanding substituents on opposite sides of an alkene is better than on the same side.

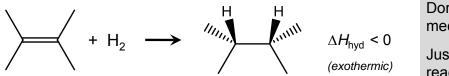
Stability:



## **Molar Heats of Hydrogenation of Alkenes**

Originally, differences in alkene stability were discovered via differences in their hydrogenation enthalpy.

Hydrogenation:



Don't worry about mechanism, etc.

Just using this reaction to think about alkenes.

