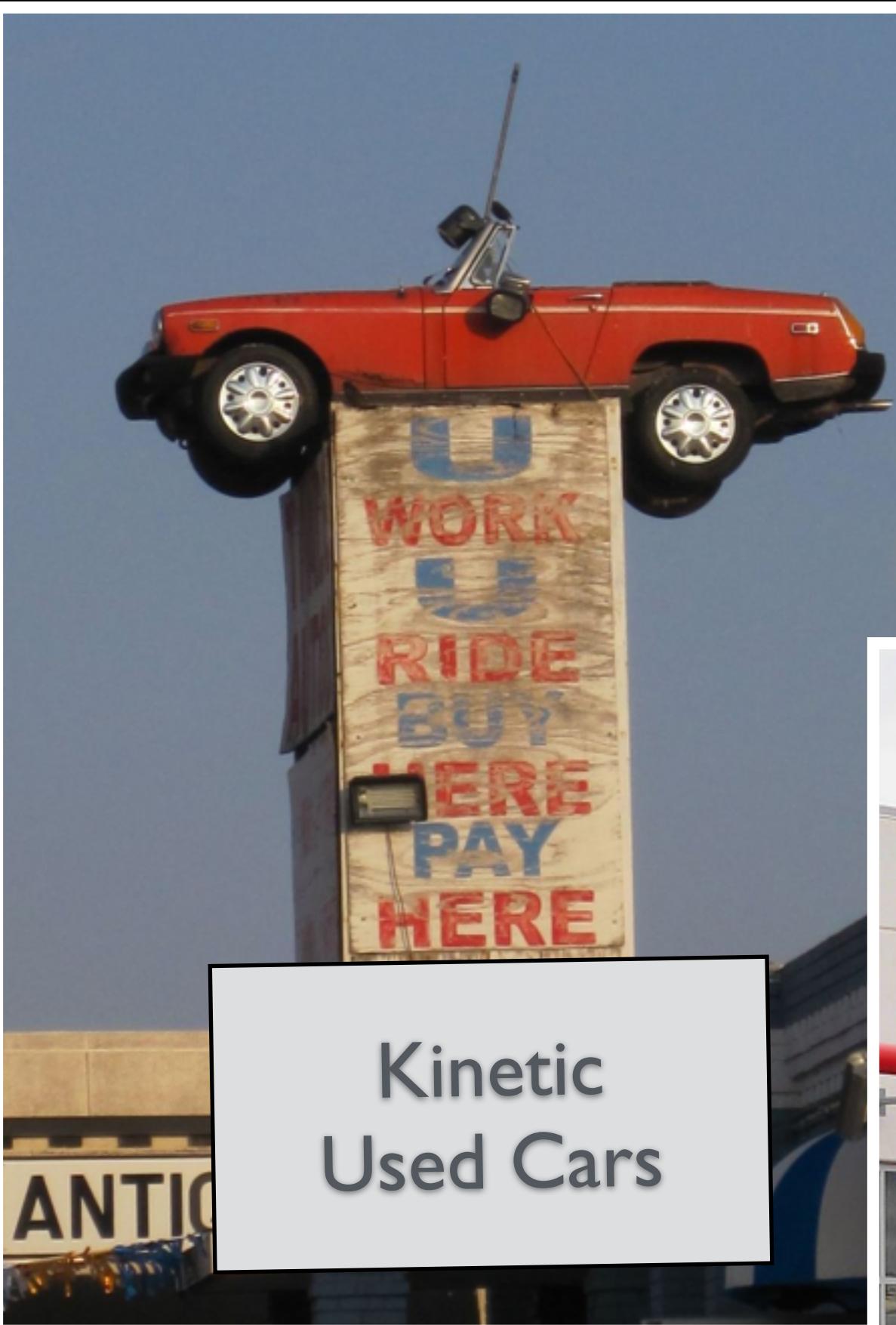


# Kinetic Reaction Control



Chemistry Essentials - 061

Thermodyn



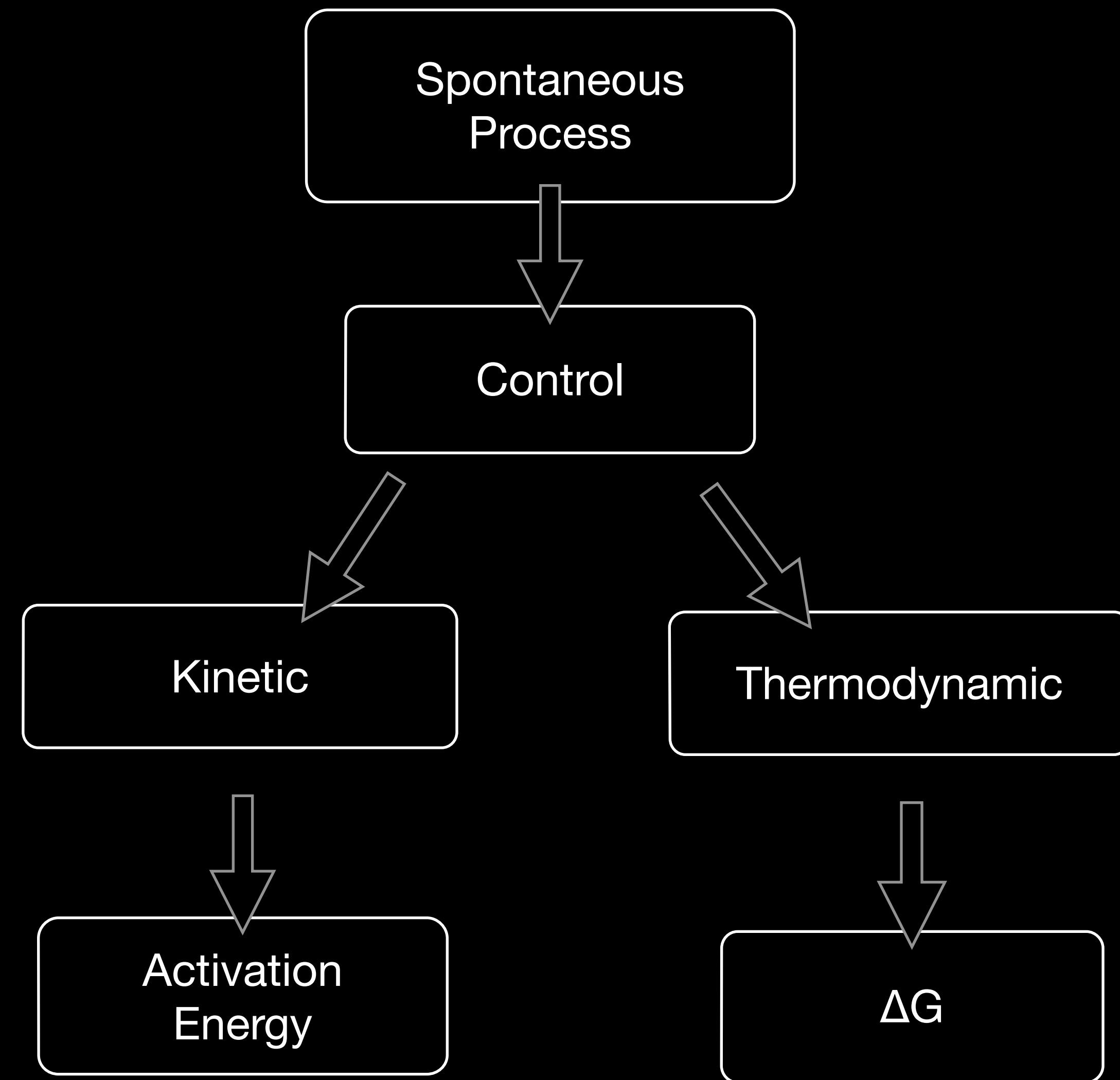
Reliable



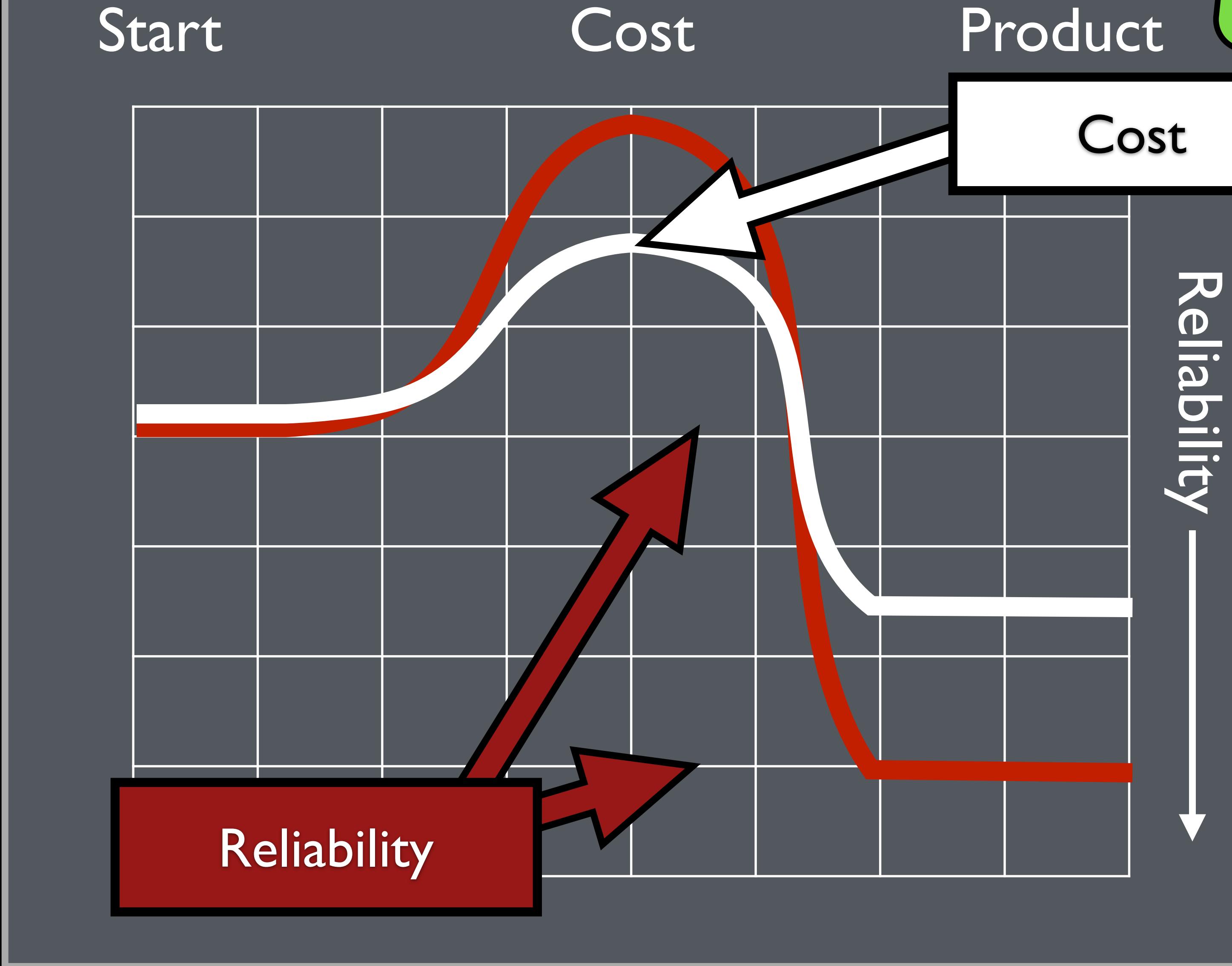
**SUPER CHEAP**  
**AUTO**

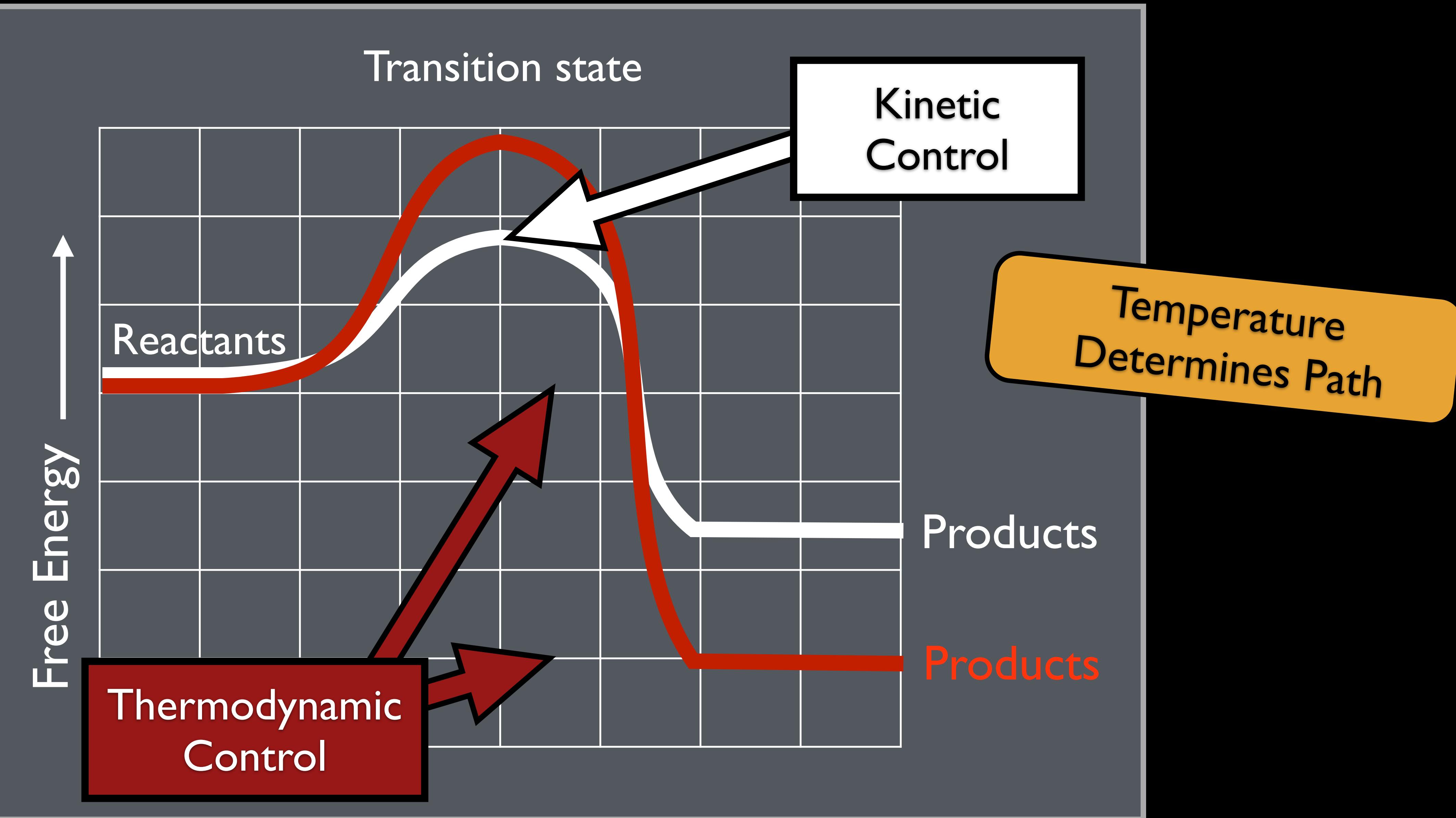


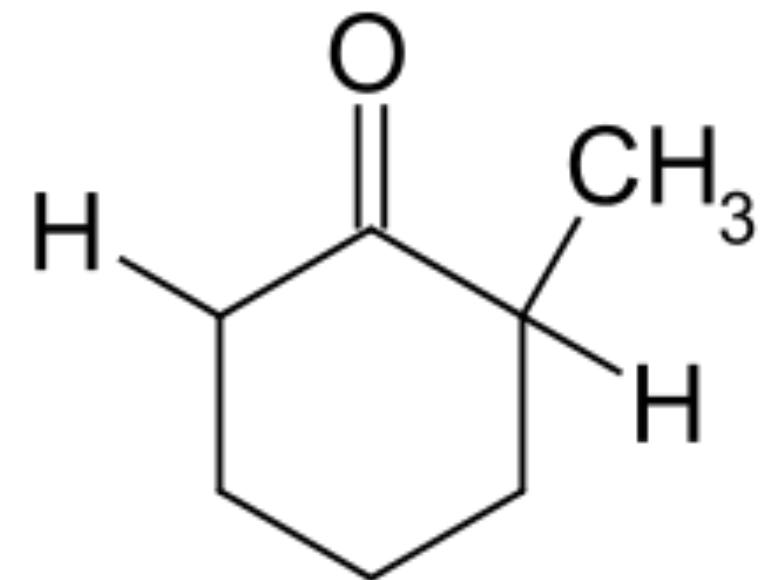
Kinetic



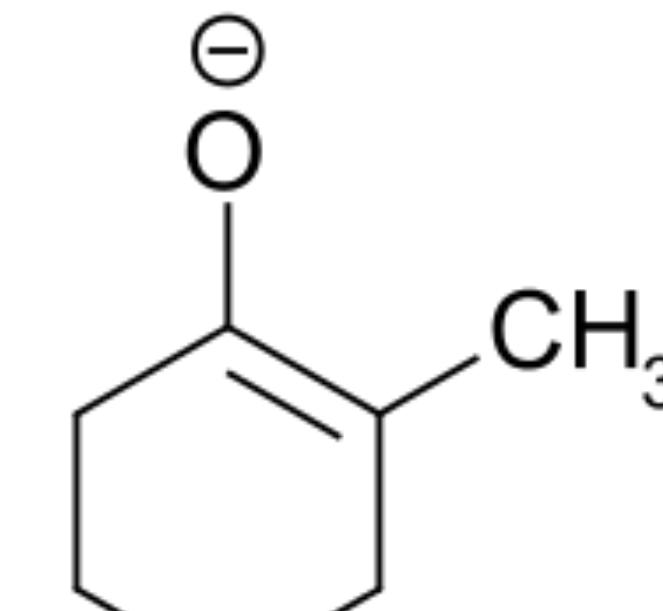
Money  
Determines Path





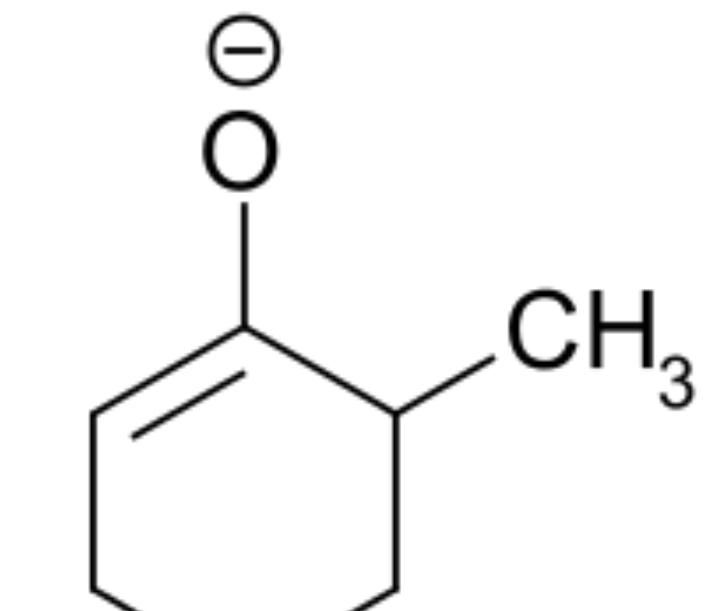


$\text{Ph}_3\text{CLi}$



More stable

10%



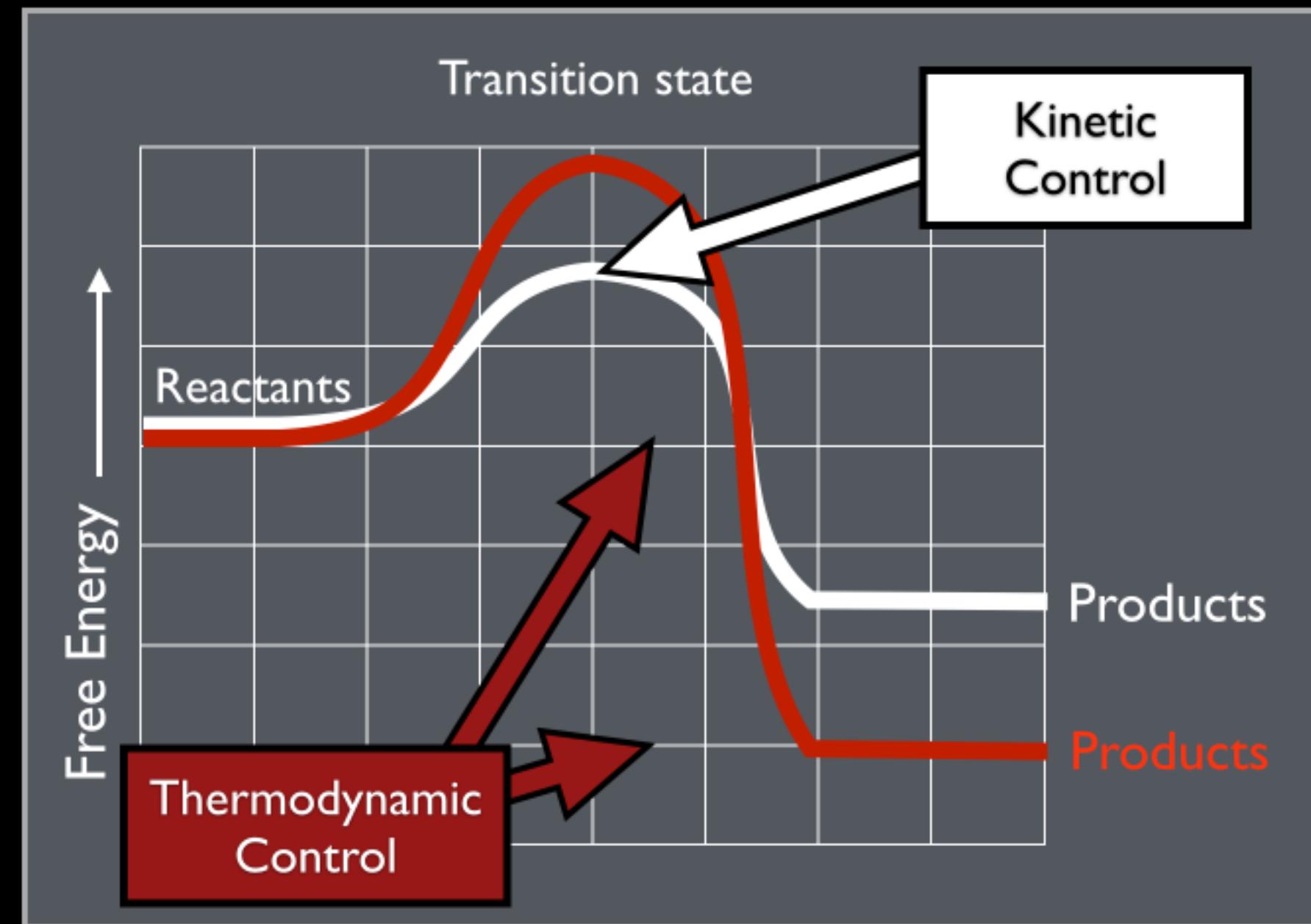
Less stable

90%

Kinetic Control  $\rightarrow T = -78^\circ\text{C}$

Thermodynamic Control  $\rightarrow T = +25^\circ\text{C}$

# Did you learn?



To explain why a thermodynamically favored reaction may produce varying amounts of product.

## Acknowledgements

Australia, NRMA Motoring and Services from Sydney. Honda Civic Diesel DTi-S - First Drive: You Can Find the Complete Review Here: [Www.mynrma.com.au/motoring/reviews/car-reviews/honda/2013...](http://www.mynrma.com.au/motoring/reviews/car-reviews/honda/2013...), April 23, 2013. 2013 Honda Civic Diesel - First Drive. [http://commons.wikimedia.org/wiki/File:2013\\_Honda\\_Civic\\_Diesel\\_-\\_First\\_Drive\\_\(8673520789\).jpg](http://commons.wikimedia.org/wiki/File:2013_Honda_Civic_Diesel_-_First_Drive_(8673520789).jpg).

Bidgee. English: Super Cheap Auto. Wagga Wagga, New South Wales, September 15, 2008. Own work. [http://commons.wikimedia.org/wiki/File:Super\\_Cheap\\_Auto.jpg](http://commons.wikimedia.org/wiki/File:Super_Cheap_Auto.jpg).

"File:Thermodynamic Deprotonation Methylcyclohexanone.svg." Wikipedia, the Free Encyclopedia. Accessed December 29, 2013. [http://en.wikipedia.org/wiki/File:Thermodynamic\\_deprotonation\\_methylcyclohexanone.svg](http://en.wikipedia.org/wiki/File:Thermodynamic_deprotonation_methylcyclohexanone.svg).

Karrmann. 1970 AMC Gremlin, February 24, 2007. self made photo. [http://commons.wikimedia.org/wiki/File:Wiki\\_cars\\_045.jpg](http://commons.wikimedia.org/wiki/File:Wiki_cars_045.jpg).

Machnitzki, Thomas R. Used Car Dealership Sign on Summer Avenue in Memphis, Tennessee, February 20, 2011. Own work. [http://commons.wikimedia.org/wiki/File:Used\\_car\\_dealership\\_Summer\\_Ave\\_Memphis\\_TN.jpg](http://commons.wikimedia.org/wiki/File:Used_car_dealership_Summer_Ave_Memphis_TN.jpg).

pendousmat, Stu. English: A Honda Dealer in Moncton, October 2008. I created this work entirely by myself. <http://commons.wikimedia.org/wiki/File:MonctonHonda.JPG>.



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