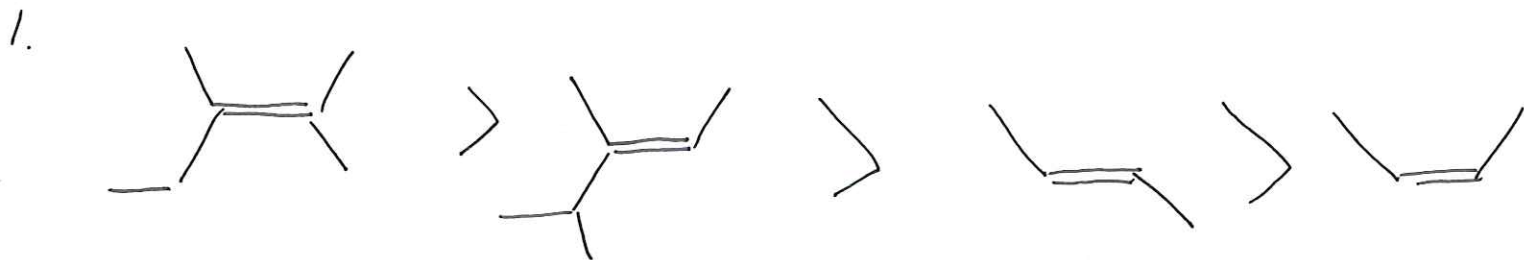


Chem 2500
Assignment #12 - Kinetics & Thermodynamics
Answer Key



2. a) A \rightarrow starting material
D+B \rightarrow transition states
C \rightarrow intermediate
E \rightarrow product.

b) 2

c) first (largest ΔG)

d) product favoured \rightarrow products are lower in Energy (negative ΔG_{rxn})

3. Although trans alkenes are usually more stable than cis alkenes, this is comparison of two cyclic (5 membered) molecules



\rightarrow cis would be more stable because trans-cyclopentene would be too strained
 \rightarrow it does not exist!