

Hour Examination #2

Wednesday, October 22nd, 2014
6:00–8:00 p.m. in ChemBark Hall 242

Instructor: Paul Bracher

Student Name (Printed)	
Student Signature	

Only answers written on this answer sheet will be graded

Problem	Points Earned	Points Available
I		30
II		20
III		15
IV		20
V		15
TOTAL		100

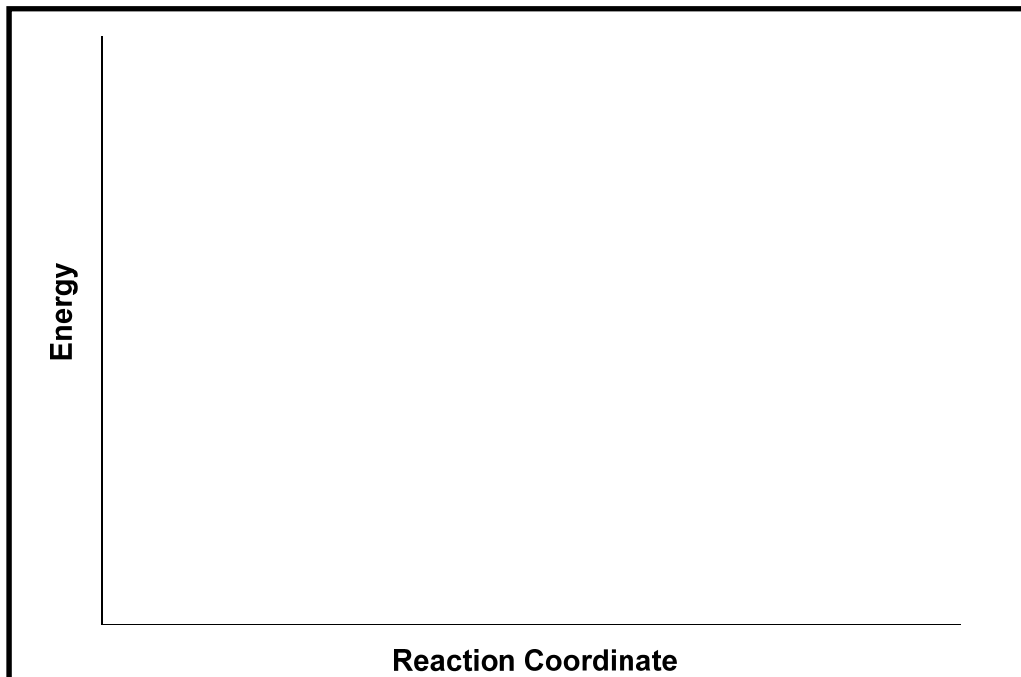
Problem I. Multiple Choice (30 points). Correct answers score +5 points, intentionally blank answers score +2 points, and incorrect answers score 0 points.

- (1) _____ (2) _____ (3) _____ (4) _____ (5) _____
(6) _____

Problem II. Reaction Diagram and Calculation (20 points).

(1)

(2)



$\Delta G^\circ =$ _____ kJ/mol

Student Name: _____

Problem III. Reactions (15 points).

(a)

An empty rectangular box with a black border, intended for writing the chemical reaction for part (a).

(b)

An empty rectangular box with a black border, intended for writing the chemical reaction for part (b).

(c)

An empty rectangular box with a black border, intended for writing the chemical reaction for part (c).

Problem IV. Explanations (20 points).

Part (1)

(1)

An empty rectangular box with a black border, intended for writing the explanation for part (1).

Part (2)

(2)

An empty rectangular box with a black border, intended for writing the explanation for part (2).

Problem V. Synthesis (15 points).