

## Hour Examination #2

Wednesday, October 22<sup>nd</sup>, 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

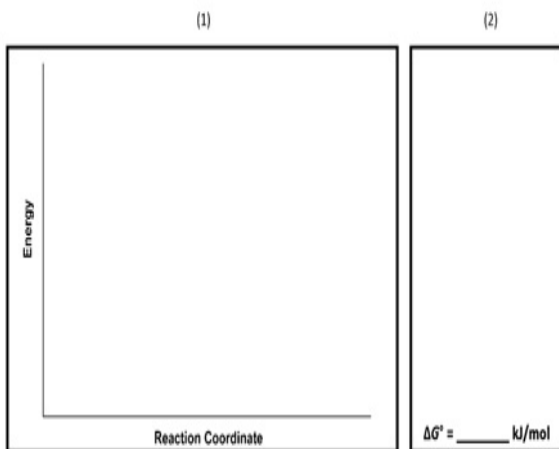
Problem	Points Earned	Points Available
I		30
II		20
III		15
IV		20
V		15
TOTAL		100

**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).**



Student Name: \_\_\_\_\_

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**Problem III. Reactions (15 points).**

(a)

(b)

(c)

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**Problem IV. Explanations (20 points).**

Part (1)

(1)

Part (2)

(2)

**Problem V. Synthesis (15 points).**