Chem 41c Quiz 4

Stoltz, Spring 2009 May 15, 2009

DUE Monday May 18, 2009 at 9 AM (before class)

Do not open, until you are ready to begin.

You have 30 min to take this Quiz.

Chem 41c Quiz 4

Stoltz, Spring 2009 May 8, 2009

You have 30 min to take this quiz. It is closed note, closed book, and no collaboration is allowed. Please do not discuss the quiz with anyone until you receive it back graded. Place a box around your answers. There is no partial credit.

Predict the products (if any) of the following reactions: (5 points each)

1.

2.

3.

5 point bonus: what is the structure of LDA?

Provide reagents for the conversion of **1** to **2**. (5 points) 4.

Bonus (5 points)

In class we learned about the aldol condensation. Draw all of the theoretically possible intramolecular aldol condensation products of the following diketone. Which is most favored to form?

