

Chemistry 1501, Dr. Hunter

Spring 2007

Exam # 2 (Group Part)

Name: _____, _____ Signature: _____

Name: _____, _____ Signature: _____

Name: _____, _____ Signature: _____

Name: _____, _____ Signature: _____

Name: _____, _____ Signature: _____

Last name

First name

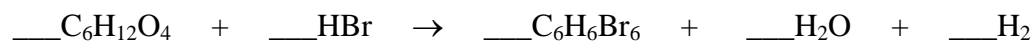
The group portion of this exam has this title page plus three pages of questions. Please make sure you have all pages. Place the names (last name first) and signatures of each group member above. *Initial each page of the exam in the top right hand corner* using the initials of the all group members so that if your exam pages get separated I can match them to your group.

To obtain maximum credit for each question, show your work in detail. Partial credit for questions will not be assigned if no work is shown. **Indeed, no credit will be granted if complete work is not shown even for correct answers.** Feel free to use pictures/diagrams to illustrate your text answers and/or to use short text explanations to explain your drawings if your pictures are ambiguous. If you have to make assumptions, etc., to complete any answers, write me a short note stating and/or explaining your assumptions and testing them to the degree possible.

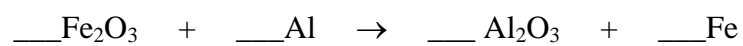
You have 55 minutes for the group part of this exam. The twenty points for the group part of this exam correspond to 20% of the 200 points for this course. Together, the group and individual parts of this exam are worth $\frac{1}{4}$ of the total course grade.

Grade /40 (group grade)

1 (10 points total). When starting the following chemical reaction, one had 10 grams of $C_6H_{12}O_4$ and 10 grams of HBr. Which is the Limiting Reagent? As always, make sure that you show your work.



2 (15 points total). For the following chemical reaction, one starts with 50 grams of Aluminum. Predict the weight of Iron that one ends up with. As always, make sure that you show your work.



3 (15 points total). For the following chemical reaction, one starts with 20 grams of HF. Predict the weight of AlF_3 that one ends up with. As always, make sure that you show your work.

