

Chemistry 130 CL Quiz 4 (Friedel Crafts)
Fall 1998 (11-02-98)

Please fill out the information as best as you can. Please indicate your TA or the section that you are attending.
You have 10 minutes to complete the quiz.

Name:

Key

UCLA ID:

Section/ TA: Zhe Thach Joe Alf

1. What advantages does vacuum distillation have over regular distillation? (5 pts.)

Vacuum distillation is a distillation at reduced pressure and therefore a lesser amount of heat is needed to distill the compound. This is advantageous for two reasons:

1. The lower heat required to distill the compound is safer
2. The lower heat helps to prevent product decomposition

2. What are some common problems associated with the Friedel Crafts alkylation? (5 pts.)

1. Possible rearrangement of the alkyl cation
2. Polyalkylation

3. Outline a synthesis of tetrahydronaphthalene starting from benzene. (15 pts.)

