

### Dehydration of Alcohols-Gas Chromatography

1. Reaction Equation:

2. Retention Time for 1-methylcyclohexene \_\_\_\_\_

Retention Time for 3-methylcyclohexene \_\_\_\_\_

3. Area of 1-methylcyclohexene \_\_\_\_\_

Area of 3-methylcyclohexene \_\_\_\_\_

4. Percent 1-methylcyclohexene \_\_\_\_\_

Percent 3-methylcyclohexene \_\_\_\_\_

5. Draw the mechanism of the reaction to produce both the major and minor product.