

* VIII-2 ____C ____NC
** VIII-3 ____C ____NC

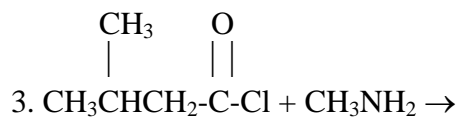
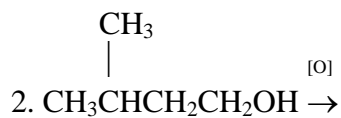
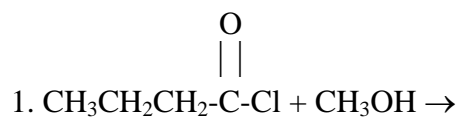
Chemistry 152
Worksheet 13

Name: _____

- A. (4.0 pts.) Classify and give an acceptable name for each of the following compounds. (The possibilities for classification are: **Ketone**, **1°Amine**, **Aldehyde**, **Ether**.)

Compound	Classification	Name
$\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$		
$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CHO}$		
$\text{CH}_3\text{CH}_2\text{-O-CH}_3$		
$\begin{array}{c} \text{O} \\ \\ (\text{CH}_3)_2\text{CH-C-CH}_2\text{CH}_3 \end{array}$		

- *B. (3.0 pts.) Give the condensed formula and classification for the organic product(s) expected for each of the following reactions.



****C.** (3.0 pts.) Outline the synthesis for each of the following compounds.

1. 3-pentanone

2. propanoyl chloride

3. $\text{CH}_3\text{CH}_2\text{-O-CH}_2\text{CH}_2\text{CH}_3$