

Group 2: The Radicals

Marco Mentuccia - Fri Lab

Anthony Kayal - Wed Lab

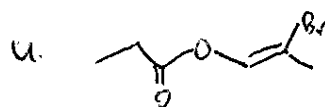
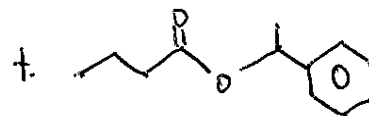
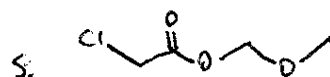
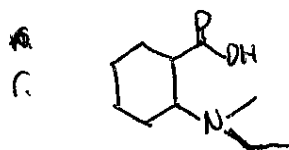
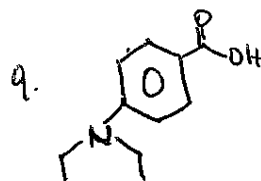
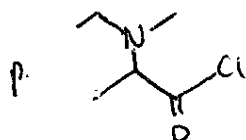
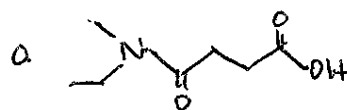
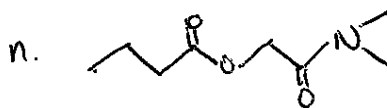
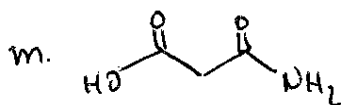
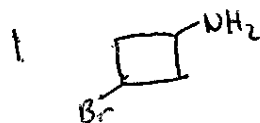
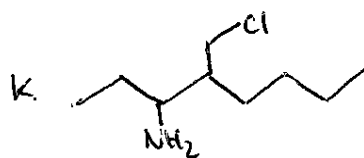
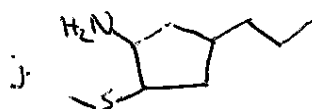
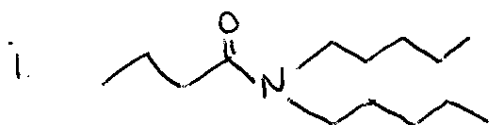
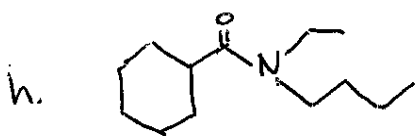
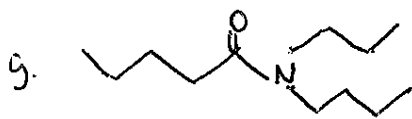
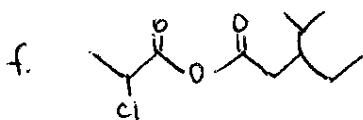
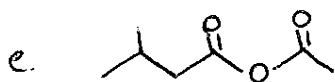
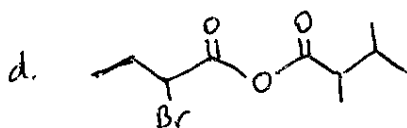
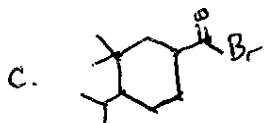
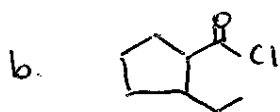
Heather Kalamian - Wed Lab

Stacy Garced - Wed Lab

Peter Nyo - Wed Lab

Andrew Ketting - Mon Lab

i) Name the following:



2) Draw the following:

- a. 2,3-dimethylbutanoyl chloride
- b. 2-cyano-5-mercapto cyclohexane carbenyl chloride
- c. 2,3-dihydroxy cyclopentane carbonyl bromide
- d. 2-chloroethanoic anhydride
- e. butanoic propanoic anhydride
- f. ethanoic 3-ethyl-4-methylhexanoic anhydride
- g. N-ethyl-N-methylcyclopentane carboxamide
- h. N,N-diethyl cyclopropane carboxamide
- i. N,N,N-triethylheptanamide
- j. 3-ethoxy-4-iodo-5-mercaptaniline
- k. (E)-3,4-epoxy-1-pentanamine
- l. 2-phenyl-3-butanamine
- m. ~~N-ethyl-N-methyl-4-amino-4-oxobutanoic acid~~ 3-(1-oxo-1-amino) benzoic acid
~~3-amino-3-oxo carboxylic acid~~
- n. 2-amino-2-oxoethanoyl chloride
- o. 4-amino-4-oxobutanoyl bromide
- p. N-ethyl-N-propyl-3-amino cyclohexane carbonyl bromide
- q. ethanoic 3-aminobutanoic anhydride
- r. 1-amino propanol
- s. sec-butyl 2-oxoethanoate
- t. 2-(1-oxobutoxy) ethanoic acid
- u. (E)-1-propenyl 2-mercapto propanoate

Answers

1) Name the following:

- a. ~~Pentanoyl bro~~ Pentanoyl bromide
- b. 2-Ethylcyclopentane carbonyl chloride
- c. 3,3-Dimethyl-4-isopropylcyclohexane carbonyl bromide
- d. 2-Bromobutanoic 2,3-dimethylbutanoic anhydride
- e. Ethanoic 3-methylbutanoic anhydride
- f. 2-Chloropropanoic 3-isopropylpentanoic anhydride
- g. N-Butyl-N-propylpentanamide
- h. N-Butyl-N-ethylcyclohexane carboxamide
- i. N,N-dipentylbutanamide
- j. 2-Methylthio-4-propylcyclopentanamine
- k. 2-(1-chloromethyl)-1-ethylhexanamine
- l. 3-Bromocyclobutanamine
- m. 3-Amino-3-oxopropanoic acid
- n. N,N-dimethyl-2-amino-2-oxobutanoate
- o. N-Ethyl-N-methyl-4-amino-4-oxobutanoic acid
- p. N-Ethyl-N-methyl-2-aminopropanoyl chloride
- q. N,N-Diethyl-4-amino benzoic acid
- r. N-Ethyl-N-methyl-2-amino cyclohexane carboxylic acid
- s. Methoxymethyl 2-chloroethanoate
- t. 1-Benzylethyl butanoate
- u. (Z)-2-Bromo-1-propenyl propanoate

Answers (continued)

2) Draw the following:

