

Name: _____

Chem 121/ Dr. Rusay

Organic Functional Group Sudoku
 Welsh, Michael J., *J. Chem. Educ.* 2007, **84**, 610.

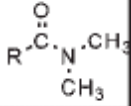
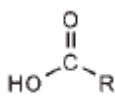
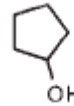
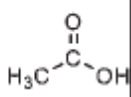
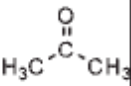
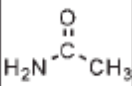
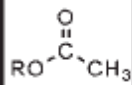
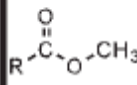
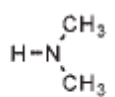
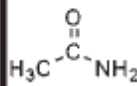
	R-COOH					R-CONH ₂	R-NH ₂	R-CO-R'
R-NH ₂	R-Cl	R-CO-R'	R-OH			R-O-R'		
R-O-R'					R-COO-R'		R-Cl	R-OH
R-CO-R'								
R-COO-R'	R-OH		R-O-R'	R-NH ₂	R-CO-R'		R-COOH	R-CONH ₂
								R-O-R'
R-CONH ₂	R-CO-R'		R-COOH					R-Cl
		R-NH ₂			R-Cl	R-OH	R-CONH ₂	R-COO-R'
R-Cl	R-COO-R'	R-CHO					R-O-R'	

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Organic Functional Group Sudoku II

Crute, Thomas D.; Myers, Stephanie A., *J. Chem. Educ.* 2007, **84**, 612

					alcohol			
	alkene		$R-C\equiv CH$	ester				
	C_2H_2		ketone					
						alkyne	carboxylic acid	
	aldehyde							
		$RCOOH$				amine		$HO-R$
					carboxylic acid		H_3C-CHO	amide
		$RC(O)R$						
		ester	CH_3CH_2OH					