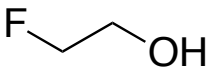
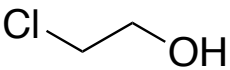
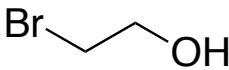
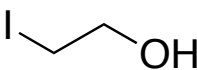
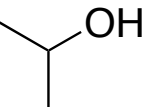
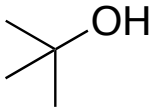
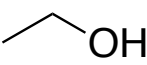
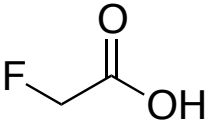
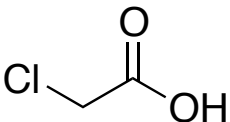
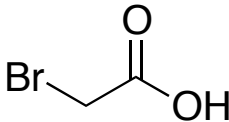
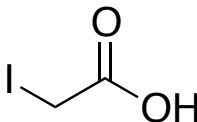
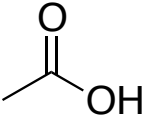


**pKa Game (Preparation):** Color each box with a highlighter or crayon in the indicated color and cut them out before lecture. Bring the colored blocks and tape with you to lecture 3.

<b>Color water &amp; alcohols in pink:</b>			
			
$\text{H}_2\text{O}$ (pKa 16)			
<b>Color haloacids (inorganic) in green:</b>			
<b>HF</b>	<b>HI</b>	<b>HBr</b>	<b>HCl</b> (pKa -7)
<b>Color carboxylic acids in yellow:</b>			
			
 (pKa 5)	