

pKa Game

1. Preparation for next lecture – Find the most acidic proton on each and organize (color code) by pKa family (functional group) – three blocks won't have colors...

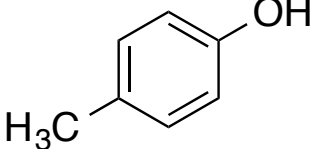
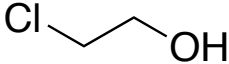
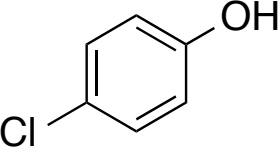
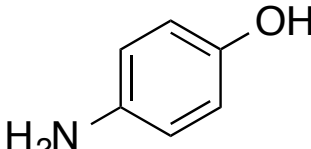
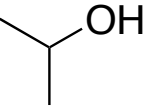
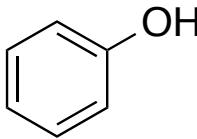
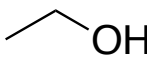
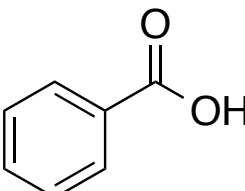
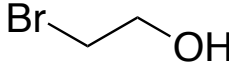
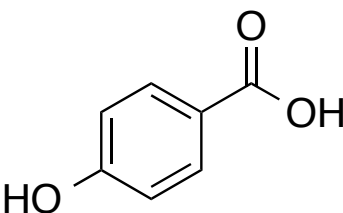
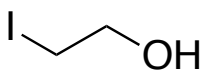
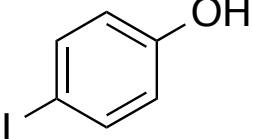
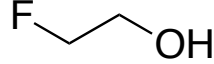
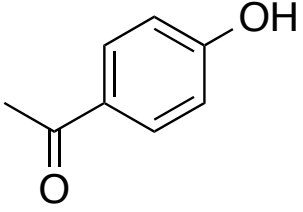
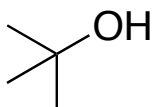
- Blue = pKa near 5; Yellow = pKa near 10; Pink = pKa near 16

- Cut out each block, bring to lecture along with tape

2. Within each functional group family, organize by stability of conjugate base

- stronger EWG = more acidic

- stronger EDG = less acidic

			NH_3
			
	H_2O		HCl
			
		CH_4	CF_3OH

