

**Chemistry 483a**  
**Review of pKa values for simple functional groups**

ROH	16
ArOH	10
RCOOH	5
H <sub>3</sub> O <sup>+</sup>	-2
R <sub>2</sub> C=OH <sup>+</sup>	-6
R-N(=O)OH <sup>+</sup>	-12
R <sub>2</sub> N-H	35
ArNH <sub>2</sub>	27
R <sub>2</sub> N-H <sup>+</sup>	10
ArNH <sub>3</sub> <sup>+</sup>	5
pyridinium	5
R-CN-H <sup>+</sup>	-12
CH <sub>4</sub>	50
benzene	43
H-CC-H	25
CH <sub>3</sub> COCH <sub>3</sub>	20
CH <sub>3</sub> CONH <sub>2</sub>	14