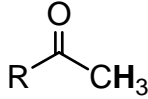
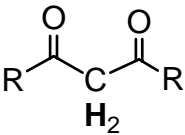
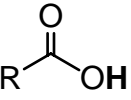
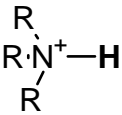
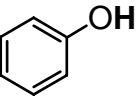
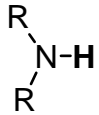
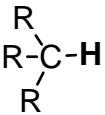
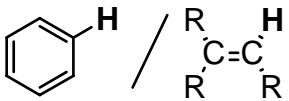
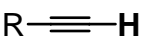


pKa values required

H_3O^+	0		20
H_2O	16		10
CH_3OH	16		
	5		10
	10		35
HO-OH	12		45
R-S-H	11		40
H_2	35		25