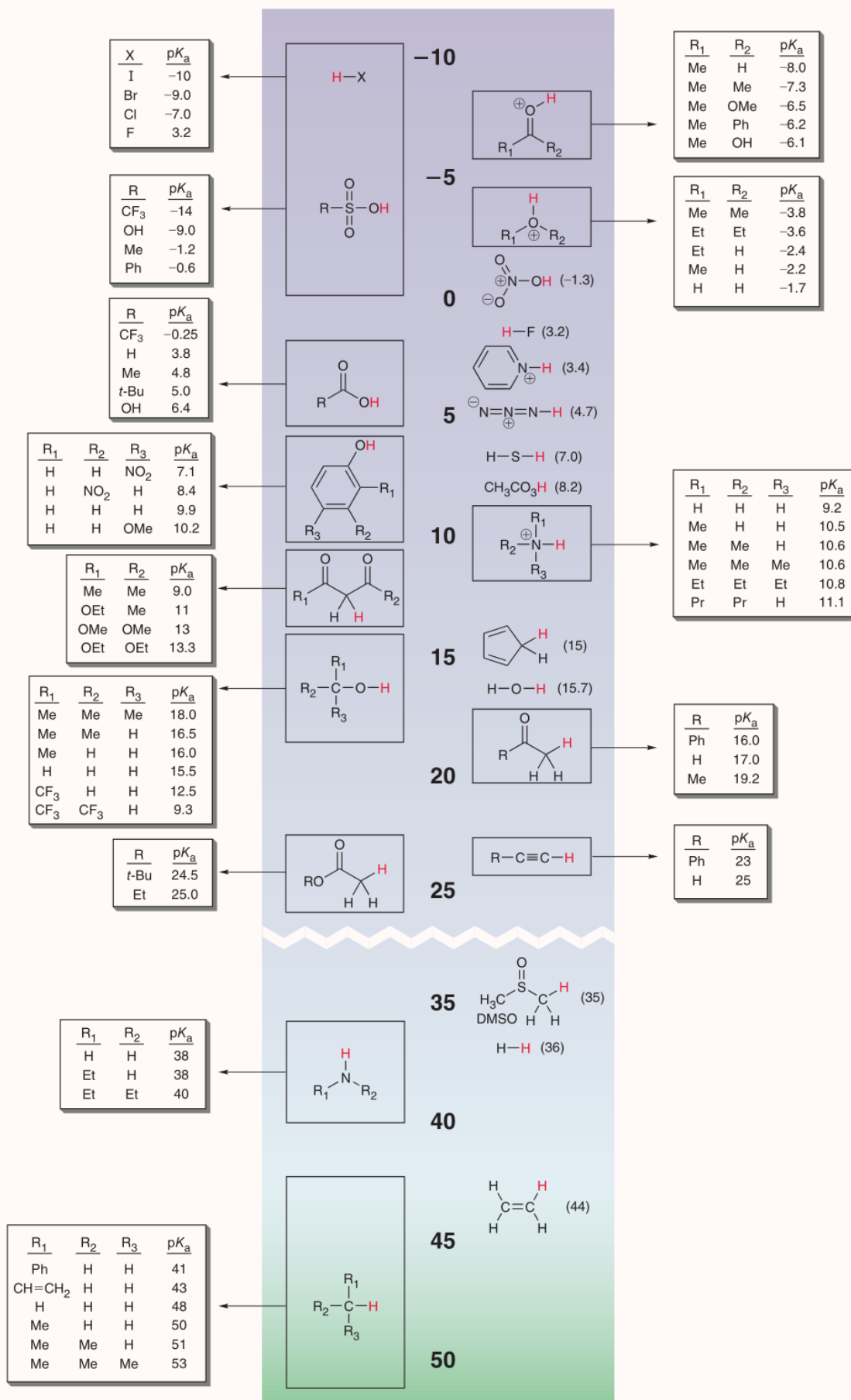
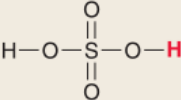
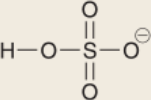






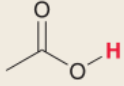

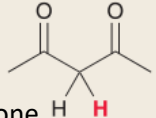
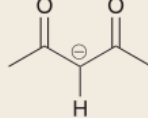
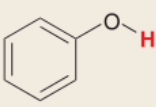
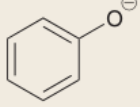


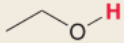

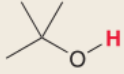

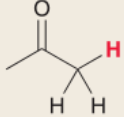
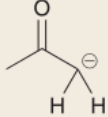
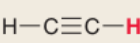
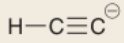


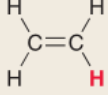
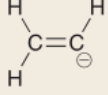
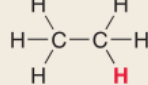
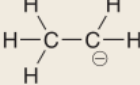


# Approximate $pK_a$ Values for Commonly Encountered Structural Types



**TABLE 3.1**  $pK_a$  VALUES OF COMMON COMPOUNDS AND THEIR CONJUGATE BASES

	ACID	$pK_a$	CONJUGATE BASE	
Strongest acid		-9		Weakest base
protonated ketone		-7.3		
		-7		
		-1.74		
		4.75		
beta-diketone		9.0		
phenol		9.9		
		15.7		
		16		
tert-butyl alcohol		18		
acetone		19.2		
acetylene		25		
		38		
		44		
Weakest acid		50		Strongest base