

Average Bond Energies (in kJ mol⁻¹)

	C	N	S	O	I	Br	Cl	F	H
H–	414	389	368	464	297	368	431	569	435
F–	490	280	343	213	280	285	255	159	
Cl–	326	201	272	205	209	218	243		
Br–	272	163	209	---	176	192			
I–	218	---	---	---	151				
O–	326	230	423	142					
O=	803 ^a	590 ^b	523	O ₂ is 495 ^d					
O≡	1075	---	---	---					
S–	289	---	247						
S=	582	---	---						
N–	285	159							
N=	515	473							
N≡	858	946							
C–	331								
C=	590 ^c								
C≡	812								
^a Value for CO ₂ ; 728 if –C=O									
^b 406 if –NO ₂									
368 if –NO ₃									
^c 506 if alternating – and =									
^d O ₂ is 495									