	-													
Basis Set Abbreviations: dz = cc-pVDZ augtz = aug-cc-pVTZ augqz = aug-cc-pVQZ		B3LYP	B3LYP	B3LYP-D3	wB97X-D	M06-2X	Hartree–Fock			MP2	MP3	MP4	DLPNO- CCSD(T)	Exp.
		6-31G(d)	augtz	augtz	augtz	augtz	dz	augtz	augqz	augtz	augtz	augtz	augtz	
Methyl A-Value	∠ Me ← Me	2.23	2.32	1.74	1.58	1.73	2.49	2.53	2.54	1.69	1.85	1.65	1.72	1.74
Anomeric Effect	Cl → Cl	3.71	3.31	3.97	3.31	3.29	3.10	2.18	2.07	2.90	2.57	3.02	2.86	2.86
Water Dimer	0-H 0 Н 2 0 Н	7.11	4.54	5.16	5.00	5.17	5.87	3.81	3.80	5.17	5.16	5.19	5.09	5.02
Benzene Dimer	2	-1.52	-2.50	3.24	3.35	2.53	-2.81	-3.60	-3.76	5.83	2.72	4.66	3.66	2.82
Methane BDE	H ₃ C−H	112.8	110.9	111.2	111.7	111.8	85.1	85.2	85.2	110.6	110.7	111.8	111.2	111.2
CI- Proton Affinity	н-сі [⊕] н + [⊝] сі	341.0	334.9	335.3	336.7	334.1	343.3	335.0	335.5	335.2	337.5	337.4	337.7	337.7
tBuCl Ionization	t-Bu−Cl ⊕t-Bu + ⊖Cl	160.4	149.4	153.3	154.6	160.3	152.5	142.7	143.1	168.0	162.5	166.0	164.6	164.6
Cope Barrier		34.4	35.9	33.4	37.3	35.1	58.4	58.8	59.0	25.5	39.0	31.3	35.5	35.8
S _N 2 Barrier	${}^{\ominus}$ Cl + Me-Cl \longrightarrow $\left[\begin{array}{c} H & H \\ Cl & H \end{array} \right]^{\ominus}$	6.8	8.5	8.3	13.4	13.4	12.7	14.7	15.0	14.4	15.2	12.7	12.9	13.6
Formal Scaling		N ⁴	N^4	N ⁴	N ⁵	N ₆	N^7							
Relative Time (benzene dimer)		1	74	78	104	91	0.7	73	771	230	5552	20401	2063	