DATA SHEET The Periodic Table of the Elements

Group																	
1	11	Ì					3.00		3 44 4			III	IV	V	VI	VII	0
	v 1869					000000000000000000000000000000000000000	1 H Hydrogen 1				4 5.47						Hellum 2
7 Li Lithlum 3	9 Be Beryllium 4						10.00					11 B Boron 5	12 C Carbon 6	14 N Nitrogen	16 O Oxygen 8	19 F Fluorine 9	20 Ne Neon
23 Na Sodium 11	24 Mg Magnesium 12						9					27 A! Atuminium 13	28 Si Silicon 14	31 P Phosphorus 15	32 S Sulphur 16	35.5 C/ Chlorine 17	40 Ar Argon
39 K Potassium 19	40 Ca Calcium 20	45 Sc Scandium 21	48 Ti Titanlum 22	Vanadium 23	52 Cr Chromium 24	55 Mn Manganese 25	56 Fe tron 26	59 Co Cobalt 27	59 Ni Nickel 28	64 Cu Copper 29	65 Zn Zinc 30	70 Ga Galllum 31	73 Ge Germanlum 32	75 As Arsenic 33	79 Se Selenium 34	80 Br Bromine 35	84 Kr Krypton 36
85 Rb Rubidium 37	88 Sr Strontium 38	89 Y Yllrium 39	91 Zr Zirconlum 40	93 Nb Nioblum 41	96 Mo Molybdenum 42	Tc Tchnetium 43	104 Ru Ruthenium 44	103 Rh Rhodium 45	106 Pd Palladium 46	108 Ag Silver 47	112 Cd Cadmlum 48	115 In Indium 49	119 Sn Tin 50	122 Sb Antimony 51	128 Te Tellurium 52	127 I lodine 53	131 Xe Xenon 54
133 Cs Caesium 55	137 Ba Barium 56	139 La Lanthanum 57 *	178 Hf Hafnlum 72	181 Ta Tantalum 73	184 VV Tungsten 74	186 Re Rhenlum 75	190 Os Osmlum 76	192 Ir Iridium 77	195 Pt Platinum 78	197 Au Gold 79	201 Hg Mecury 80	204 T <i>I</i> Thallium 81	207 Pb lead 82	209 Bi Bismuth 83	Po Polonium 84	At Astatine 85	Rn Radon 86
Fr Francium 87	226 227 Ra Ac Radium Actinium 88 +							<u>.</u>			6	IEM.					
+90-103 Actinoid series				140 Ce Cerium 58	141 Pr Praseodymlum 59	144 Nd Neodymium 60	Pm Promethium 61	150 Sm Samarium 62	152 Eu Europlum 63	157 Gd Gadoliniu m	159 Tb Terbium 65	162 Dy Dysproslum 66	165 Ho Holmlum 67	167 Er Erbium 68	169 Tm Thulium 69	173 Yb Yitterblum 70	175 Lu Lutetium 71
Key a = relative atomic mass X = atomic symbol b = proton (atomic) number			232 Th Thorium 90	Pa Protactinium 91	238 U Uranium 92	Np Neptunium 93	Pu Plutonium 94	Am Americium 95	Cm Curium 96	Bk Berkelium 97	Cf Catifornium 98	Es Einsteinium	Fm Fermium 100	Md Mendelevium 101	No Nobelium 102	Lr Lawrenciu	

The volume of one mole of any gas is 24 dm³ at room temperature and pressure (r.t.p.).

 $N_A = 6.0 \times 10^{23}$ /mol; 1F = 96500C.