

## Hoja1

metal0	Name	xx1	xx2	"Atomic Nu
1	Hydrogen		1	1
1	Helium		2	2
1	Lithium		3	3
1	Beryllium		4	4
1	Boron		5	5
1	Oxygen		8	8
1	Nitrogen		7	7
1	Carbon		6	6
1	Fluorine		9	9
1	Neon		10	10
1	Sodium		3	11
1	Magnesium		4	12
1	Aluminium		5	13
1	Silicon		6	14
1	Phosphorus		7	15
1	Sulfur		8	16
1	Chlorine		9	17
1	Argon		10	18
1	Potassium		3	19
1	Calcium		4	20
1	Scandium		0	21
1	Titanium		5	22
1	Vanadium		1	23
1	Chromium		2	24
1	Manganese		2	25
0	Iron		4	26
1	Cobalt		4	27
1	Nickel		4	28
0	Copper		2	29
0	Zinc		8	30
1	Gallium		5	31
1	Germanium		6	32
1	Arsenic		7	33
1	Selenium		8	34
1	Bromine		9	35
1	Krypton		10	36
1	Rubidium		3	37
1	Strontium		4	38
1	Yttrium		0	39
1	Zirconium		1	40
1	Niobium		1	41
1	Molybdenum		2	42
1	Technetium		2	43
1	Ruthenium		11	44
1	Rhodium		11	45
1	Palladium		0	46
0	Silver		11	47
1	Cadmium		6	48
1	Indium		5	49
0	Tin		5	50
1	Antimony		7	51
1	Tellurium		8	52

## Hoja1

1 Iodine	9	9	53
1 Xenon	10	10	54
1 Caesium	3	3	55
1 Barium	4	4	56
1 Lanthanum	7	7	57
5 Cerium	7	12	58
5 Praseodymium	7	12	59
5 Neodymium	7	12	60
5 Promethium	7	12	61
5 Samarium	7	12	62
5 Europium	7	12	63
5 Gadolinium	7	12	64
5 Terbium	7	12	65
5 Dysprosium	7	12	66
5 Holmium	7	12	67
5 Erbium	7	12	68
5 Thulium	7	12	69
5 Ytterbium	7	12	70
5 Lutetium	7	12	71
1 Hafnium	1	6	72
1 Tantalum	1	1	73
1 Tungsten	2	2	74
1 Rhenium	2	2	75
1 Osmium	11	11	76
1 Iridium	11	11	77
0 Platinum	7	7	78
0 Gold	0	0	79
0 Mercury	1	1	80
1 Thallium	5	5	81
0 Lead	6	6	82
1 Bismuth	5	5	83
1 Polonium	8	8	84
1 Astatine	9	9	85
1 Radon	10	10	86
1 Francium	1	3	87
1 Radium	2	4	88
1 Actinium	7	7	89
5 Thorium	7	13	90
5 Protactinium	7	13	91
5 Uranium	7	13	92
5 Neptunium	7	13	93
5 Plutonium	7	13	94
5 Americium	7	13	95
5 Curium	7	13	96
5 Berkelium	7	13	97
5 Californium	7	13	98
5 Einsteinium	7	13	99
5 Fermium	7	13	100
5 Mendeleevium	7	13	101
5 Nobelium	7	13	102
5 Lawrencium	7	13	103
1 Rutherfordium	1	1	104
1 Dubnium	1	1	105

Hoja1

1 Seaborgium	2	2	106
1 Bohrium	2	2	107
1 Hassium	11	11	108
1 Meitnerium	11	11	109
1 Darmstadtium	4	14	110
1 Roentgenium	2	14	111
1 Ununbium	8	14	112
1 Ununtrium	5	14	113
1 Ununquadium	6	14	114
1 Ununpentium	7	14	115
1 Ununhexium	8	14	116
1 Ununseptium	9	14	117
1 Ununoctium	10	14	118
3 "SS"	0	3	0
0 "@"	3	3	0
0 "O+"	9	9	0
0 "+-"	9	9	0
0 "#"	10	10	0
0 "O+."	10	10	0
3 HHGG	11	11	0
4 SSS	3	3	0


## Hoja1

"Symbol"	"Mass"	"Exact Mass"	"Ionization"	"Electron Affinity"
"H"	"1.00794 u"	"1.007825032"	"13.5984 kJ/mol"	"1.007825032"
"He"	"4.0026 u"	"4.002603254"	"24.5874 kJ/mol"	"4.002603254"
"Li"	"6.941 u"	"7.01600455"	"5.3917 kJ/mol"	"7.01600455"
"Be"	"9.01218 u"	"9.0121822"	"9.3227 kJ/mol"	"9.0121822"
"B"	"10.811 u"	"11.0093054"	"8.298 kJ/mol"	"11.0093054"
"O"	"15.9994 u"	"15.99491462"	"13.6181 kJ/mol"	"15.99491462"
"N"	"14.0067 u"	"14.003074"	"14.5341 kJ/mol"	"14.003074"
"C"	"12.0107 u"	"12"	"11.2603 kJ/mol"	"12"
"F"	"18.9984 u"	"18.99840322"	"17.4228 kJ/mol"	"18.99840322"
"Ne"	"20.1797 u"	"19.99244018"	"21.5645 kJ/mol"	"19.99244018"
"Na"	"22.9898 u"	"22.98976928"	"5.1391 kJ/mol"	"22.98976928"
"Mg"	"24.305 u"	"23.9850417"	"7.6462 kJ/mol"	"23.9850417"
"Al"	"26.9815 u"	"26.98153863"	"5.9858 kJ/mol"	"26.98153863"
"Si"	"28.0855 u"	"27.97692653"	"8.1517 kJ/mol"	"27.97692653"
"P"	"30.9738 u"	"30.97376163"	"10.4867 kJ/mol"	"30.97376163"
"S"	"32.065 u"	"31.972071"	"10.36 kJ/mol"	"31.972071"
"Cl"	"35.453 u"	"34.96885268"	"12.9676 kJ/mol"	"34.96885268"
"Ar"	"39.948 u"	"39.96238312"	"15.7596 kJ/mol"	"39.96238312"
"K"	"39.0983 u"	"38.96370668"	"4.3407 kJ/mol"	"38.96370668"
"Ca"	"40.078 u"	"39.96259098"	"6.1132 kJ/mol"	"39.96259098"
"Sc"	"44.9559 u"	"44.9559119"	"6.5615 kJ/mol"	"44.9559119"
"Ti"	"47.867 u"	"47.9479463"	"6.8281 kJ/mol"	"47.9479463"
"V"	"50.9415 u"	"50.9439595"	"6.7462 kJ/mol"	"50.9439595"
"Cr"	"51.9961 u"	"51.9405075"	"6.7665 kJ/mol"	"51.9405075"
"Mn"	"54.938 u"	"54.9380451"	"7.434 kJ/mol"	"54.9380451"
"Fe"	"55.845 u"	"55.9349375"	"7.9024 kJ/mol"	"55.9349375"
"Co"	"58.9332 u"	"58.933195"	"7.881 kJ/mol"	"58.933195"
"Ni"	"58.6934 u"	"57.9353429"	"7.6398 kJ/mol"	"57.9353429"
"Cu"	"63.546 u"	"62.9295975"	"7.7264 kJ/mol"	"62.9295975"
"Zn"	"65.409 u"	"63.9291422"	"9.3942 kJ/mol"	"63.9291422"
"Ga"	"69.723 u"	"68.9255736"	"5.9993 kJ/mol"	"68.9255736"
"Ge"	"72.64 u"	"73.9211778"	"7.8994 kJ/mol"	"73.9211778"
"As"	"74.9216 u"	"74.9215965"	"9.7886 kJ/mol"	"74.9215965"
"Se"	"78.96 u"	"79.9165213"	"9.7524 kJ/mol"	"79.9165213"
"Br"	"79.904 u"	"78.9183371"	"11.8138 kJ/mol"	"78.9183371"
"Kr"	"83.798 u"	"83.911507"	"13.9996 kJ/mol"	"83.911507"
"Rb"	"85.4678 u"	"84.91178974"	"4.1771 kJ/mol"	"84.91178974"
"Sr"	"87.62 u"	"87.9056121"	"5.6949 kJ/mol"	"87.9056121"
"Y"	"88.9059 u"	"88.9058483"	"6.2173 kJ/mol"	"88.9058483"
"Zr"	"91.224 u"	"89.9047044"	"6.6339 kJ/mol"	"89.9047044"
"Nb"	"92.9064 u"	"92.9063781"	"6.7589 kJ/mol"	"92.9063781"
"Mo"	"95.94 u"	"97.9054082"	"7.0924 kJ/mol"	"97.9054082"
"Tc"	"98 u"	"97.907216"	"7.28 kJ/mol"	"97.907216"
"Ru"	"101.07 u"	"101.9043493"	"7.3605 kJ/mol"	"101.9043493"
"Rh"	"102.906 u"	"102.905504"	"7.4589 kJ/mol"	"102.905504"
"Pd"	"106.42 u"	"105.903486"	"8.3369 kJ/mol"	"105.903486"
"Ag"	"107.868 u"	"106.905097"	"7.5762 kJ/mol"	"106.905097"
"Cd"	"112.411 u"	"113.9033585"	"8.9938 kJ/mol"	"113.9033585"
"In"	"114.818 u"	"114.903878"	"5.7864 kJ/mol"	"114.903878"
"Sn"	"118.71 u"	"119.9021947"	"7.3439 kJ/mol"	"119.9021947"
"Sb"	"121.76 u"	"120.9038157"	"8.6084 kJ/mol"	"120.9038157"
"Te"	"127.6 u"	"129.9062244"	"9.0096 kJ/mol"	"129.9062244"

## Hoja1

"I"	"126.904 u"	"126.904473"	"10.4513 kJ/mol"	"126.904473"
"Xe"	"131.293 u"	"131.9041535"	"12.1298 kJ/mol"	"131.9041535"
"Cs"	"132.905 u"	"132.9054519"	"3.8939 kJ/mol"	"132.9054519"
"Ba"	"137.327 u"	"137.9052472"	"5.2117 kJ/mol"	"137.9052472"
"La"	"138.905 u"	"138.9063533"	"5.5769 kJ/mol"	"138.9063533"
"Ce"	"140.116 u"	"139.9054387"	"5.5387 kJ/mol"	"139.9054387"
"Pr"	"140.908 u"	"140.9076528"	"5.473 kJ/mol"	"140.9076528"
"Nd"	"144.242 u"	"141.9077233"	"5.525 kJ/mol"	"141.9077233"
"Pm"	"145 u"	"144.912749"	"5.582 kJ/mol"	"144.912749"
"Sm"	"150.36 u"	"151.9197324"	"5.6437 kJ/mol"	"151.9197324"
"Eu"	"151.964 u"	"152.9212303"	"5.6704 kJ/mol"	"152.9212303"
"Gd"	"157.25 u"	"157.9241039"	"6.1498 kJ/mol"	"157.9241039"
"Tb"	"158.925 u"	"158.9253468"	"5.8638 kJ/mol"	"158.9253468"
"Dy"	"162.5 u"	"163.9291748"	"5.9389 kJ/mol"	"163.9291748"
"Ho"	"164.93 u"	"164.9303221"	"6.0215 kJ/mol"	"164.9303221"
"Er"	"167.259 u"	"165.9302931"	"6.1077 kJ/mol"	"165.9302931"
"Tm"	"168.934 u"	"168.9342133"	"6.1843 kJ/mol"	"168.9342133"
"Yb"	"173.04 u"	"173.9388621"	"6.2542 kJ/mol"	"173.9388621"
"Lu"	"174.967 u"	"174.9407718"	"5.4259 kJ/mol"	"174.9407718"
"Hf"	"178.49 u"	"179.94655"	"6.8251 kJ/mol"	"179.94655"
"Ta"	"180.948 u"	"180.9479958"	"7.5496 kJ/mol"	"180.9479958"
"W"	"183.84 u"	"183.9509312"	"7.864 kJ/mol"	"183.9509312"
"Re"	"186.207 u"	"186.9557531"	"7.8335 kJ/mol"	"186.9557531"
"Os"	"190.23 u"	"191.9614807"	"8.4382 kJ/mol"	"191.9614807"
"Ir"	"192.217 u"	"192.9629264"	"8.967 kJ/mol"	"192.9629264"
"Pt"	"195.084 u"	"194.9647911"	"8.9588 kJ/mol"	"194.9647911"
"Au"	"196.967 u"	"196.9665687"	"9.2255 kJ/mol"	"196.9665687"
"Hg"	"200.59 u"	"201.970643"	"10.4375 kJ/mol"	"201.970643"
"Tl"	"204.383 u"	"204.9744275"	"6.1082 kJ/mol"	"204.9744275"
"Pb"	"207.2 u"	"207.9766521"	"7.4167 kJ/mol"	"207.9766521"
"Bi"	"208.98 u"	"208.9803987"	"7.2855 kJ/mol"	"208.9803987"
"Po"	"209 u"	"208.9824304"	"8.414 kJ/mol"	"208.9824304"
"At"	"210 u"	"209.987148"	"Value not defined"	"209.987148"
"Rn"	"222 u"	"222.0175777"	"10.7485 kJ/mol"	"222.0175777"
"Fr"	"223 u"	"223.0197359"	"4.0727 kJ/mol"	"223.0197359"
"Ra"	"226 u"	"226.0254098"	"5.2784 kJ/mol"	"226.0254098"
"Ac"	"227 u"	"227.0277521"	"5.17 kJ/mol"	"227.0277521"
"Th"	"232.038 u"	"232.0380553"	"6.3067 kJ/mol"	"232.0380553"
"Pa"	"231.036 u"	"231.035884"	"5.89 kJ/mol"	"231.035884"
"U"	"238.029 u"	"238.0507882"	"6.1941 kJ/mol"	"238.0507882"
"Np"	"237 u"	"237.0481734"	"6.2657 kJ/mol"	"237.0481734"
"Pu"	"244 u"	"244.064204"	"6.026 kJ/mol"	"244.064204"
"Am"	"243 u"	"243.0613811"	"5.9738 kJ/mol"	"243.0613811"
"Cm"	"247 u"	"247.070354"	"5.9914 kJ/mol"	"247.070354"
"Bk"	"247 u"	"247.070307"	"6.1979 kJ/mol"	"247.070307"
"Cf"	"251 u"	"251.079587"	"6.2817 kJ/mol"	"251.079587"
"Es"	"252 u"	"252.08298"	"6.42 kJ/mol"	"252.08298"
"Fm"	"257 u"	"257.095105"	"6.5 kJ/mol"	"257.095105"
"Md"	"258 u"	"258.098431"	"6.58 kJ/mol"	"258.098431"
"No"	"259 u"	"259.10103"	"6.65 kJ/mol"	"259.10103"
"Lr"	"262 u"	"262.10963"	"4.9 kJ/mol"	"262.10963"
"Rf"	"261 u"	"261.10877"	"6 kJ/mol"	"261.10877"
"Db"	"262 u"	"262.11408"	"Value not defined"	"262.11408"

## Hoja1

"Sg"	"266 u"	"263.11832"	"Value not defined"	"263.11832"
"Bh"	"264 u"	"264.1246"	"Value not defined"	"264.1246"
"Hs"	"277 u"	"265.13009"	"Value not defined"	"265.13009"
"Mt"	"268 u"	"268.13873"	"Value not defined"	"268.13873"
"Ds"	"281 u"	"271.14606"	"Value not defined"	"271.14606"
"Rg"	"272 u"	"272.15362"	"Value not defined"	"272.15362"
"Uub"	"285 u"	"285.17411"	"Value not defined"	"285.17411"
"Uut"	"284 u"	"284.17808"	"Value not defined"	"284.17808"
"Uuq"	"289 u"	"289.18728"	"Value not defined"	"289.18728"
"Uup"	"288 u"	"288.19249"	"Value not defined"	"288.19249"
"Uuh"	"292 u"	"292.19979"	"Value not defined"	"292.19979"
"Uus"	"Unknown Value ""	"	"Value not defined"	"
"Uuo"	"294 u"	"	"Value not defined"	"

"SS"

"@"

"O+"

"+-"

"#"

"O+-"

HHGG

SSS

## Hoja1

"Electronegativity"	"Covalent Radius"	"Van der Waals Ra	"Melting Point"	"Boiling Point"
"2.2"	"37 pm"	"120 pm"	"13.81 K"	20,28
"Value not defined"	"32 pm"	"140 pm"	"0.95 K"	4,216
"0.98"	"134 pm"	"220 pm"	"453.7 K"	1
"1.57"	"90 pm"	"190 pm"	"1"	560
"2.04"	"82 pm"	"180 pm"	"2"	365
"3.44"	"73 pm"	"155 pm"	"54.8 K"	90,188
"3.04"	"75 pm"	"160 pm"	"63.15 K"	77,344
"2.55"	"77 pm"	"170 pm"	"3"	825
"3.98"	"71 pm"	"150 pm"	"53.55 K"	85
"Value not defined"	"69 pm"	"154 pm"	"24.55 K"	27,1
"0.93"	"154 pm"	"240 pm"	"371 K"	1
"1.31"	"130 pm"	"220 pm"	"922 K"	1
"1.61"	"118 pm"	"210 pm"	"933.5 K"	2
"1.9"	"111 pm"	"210 pm"	"1"	683
"2.19"	"106 pm"	"195 pm"	"317.3 K"	553
"2.58"	"102 pm"	"180 pm"	"392.2 K"	717,82
"3.16"	"99 pm"	"180 pm"	"172.17 K"	239,18
"Value not defined"	"97 pm"	"188 pm"	"83.95 K"	87,45
"0.82"	"196 pm"	"280 pm"	"336.8 K"	1
"1"	"174 pm"	"240 pm"	"1"	112
"1.36"	"144 pm"	"230 pm"	"1"	814
"1.54"	"136 pm"	"215 pm"	"1"	935
"1.63"	"125 pm"	"205 pm"	"2"	163
"1.66"	"127 pm"	"205 pm"	"2"	130
"1.55"	"139 pm"	"205 pm"	"1"	518
"1.83"	"125 pm"	"205 pm"	"1"	808
"1.88"	"126 pm"	"200 pm"	"1"	768
"1.91"	"121 pm"	"200 pm"	"1"	726
"1.9"	"138 pm"	"200 pm"	"1"	356,6
"1.65"	"131 pm"	"210 pm"	"692.73 K"	1
"1.81"	"126 pm"	"210 pm"	"302.92 K"	2
"2.01"	"122 pm"	"210 pm"	"1"	211,5
"2.18"	"119 pm"	"205 pm"	"1"	90
"2.55"	"116 pm"	"190 pm"	"494 K"	958
"2.96"	"114 pm"	"190 pm"	"265.95 K"	331,85
"3"	"110 pm"	"202 pm"	"116 K"	120,85
"0.82"	"211 pm"	"290 pm"	"312.63 K"	961
"0.95"	"192 pm"	"255 pm"	"1"	42
"1.22"	"162 pm"	"240 pm"	"1"	795
"1.33"	"148 pm"	"230 pm"	"2"	128
"1.6"	"137 pm"	"215 pm"	"2"	742
"2.16"	"145 pm"	"210 pm"	"2"	896
"1.9"	"156 pm"	"205 pm"	"2"	477
"2.2"	"126 pm"	"205 pm"	"2"	610
"2.28"	"135 pm"	"200 pm"	"2"	236
"2.2"	"131 pm"	"205 pm"	"1"	825
"1.93"	"153 pm"	"210 pm"	"1"	235,1
"1.69"	"148 pm"	"220 pm"	"594.26 K"	1
"1.78"	"144 pm"	"220 pm"	"429.78 K"	2
"1.96"	"141 pm"	"225 pm"	"505.12 K"	2
"2.05"	"138 pm"	"220 pm"	"903.91 K"	1
"2.1"	"135 pm"	"210 pm"	"722.72 K"	1

## Hoja1

"2.66"	"133 pm"	"210 pm"	"386.7 K"	457,5
"2.6"	"130 pm"	"216 pm"	"161.39 K"	165,1
"0.79"	"225 pm"	"300 pm"	"301.54 K"	944
"0.89"	"198 pm"	"270 pm"	"1"	2
"1.1"	"169 pm"	"250 pm"	"1"	191
"1.12"	"Unknown Value"	"248 pm"	"1"	71
"1.13"	"Unknown Value"	"247 pm"	"1"	204
"1.14"	"Unknown Value"	"245 pm"	"1"	294
"Value not defined"	"Unknown Value"	"243 pm"	"1"	315
"1.17"	"Unknown Value"	"242 pm"	"1"	347
"Value not defined"	"Unknown Value"	"240 pm"	"1"	95
"1.2"	"Unknown Value"	"238 pm"	"1"	585
"Value not defined"	"Unknown Value"	"237 pm"	"1"	629
"1.22"	"Unknown Value"	"235 pm"	"1"	685
"1.23"	"Unknown Value"	"233 pm"	"1"	747
"1.24"	"Unknown Value"	"232 pm"	"1"	802
"1.25"	"Unknown Value"	"230 pm"	"1"	818
"Value not defined"	"Unknown Value"	"228 pm"	"1"	92
"1.27"	"160 pm"	"227 pm"	"1"	936
"1.3"	"150 pm"	"225 pm"	"2"	504
"1.5"	"138 pm"	"220 pm"	"3"	293
"2.36"	"146 pm"	"210 pm"	"3"	695
"1.9"	"159 pm"	"205 pm"	"3"	455
"2.2"	"128 pm"	"200 pm"	"3"	300
"2.2"	"137 pm"	"200 pm"	"2"	720
"2.28"	"128 pm"	"205 pm"	"2"	42,1
"2.54"	"144 pm"	"210 pm"	"1"	337,58
"2"	"149 pm"	"205 pm"	"234.31 K"	629,88
"1.62"	"148 pm"	"220 pm"	"577 K"	1
"2.33"	"147 pm"	"230 pm"	"600.65 K"	2
"2.02"	"146 pm"	"230 pm"	"544.59 K"	1
"2"	"Unknown Value"	"200 pm"	"527 K"	0
"2.2"	"Unknown Value"	"200 pm"	"575 K"	610
"Value not defined"	"145 pm"	"200 pm"	"202 K"	211.4
"0.7"	"Unknown Value"	"200 pm"	"300 K"	950
"0.9"	"Unknown Value"	"200 pm"	"973 K"	1
"1.1"	"Unknown Value"	"200 pm"	"1"	324
"1.3"	"Unknown Value"	"240 pm"	"2"	28
"1.5"	"Unknown Value"	"200 pm"	"1"	845
"1.38"	"Unknown Value"	"230 pm"	"1"	408
"1.36"	"Unknown Value"	"200 pm"	"912 K"	4
"1.28"	"Unknown Value"	"200 pm"	"913 K"	3
"1.3"	"Unknown Value"	"200 pm"	"1"	449
"1.3"	"Unknown Value"	"200 pm"	"1"	620
"1.3"	"Unknown Value"	"200 pm"	"1"	258
"1.3"	"Unknown Value"	"200 pm"	"1"	172
"1.3"	"Unknown Value"	"200 pm"	"1"	130
"1.3"	"Unknown Value"	"200 pm"	"1"	800
"1.3"	"Unknown Value"	"200 pm"	"1"	100
"1.3"	"Unknown Value"	"200 pm"	"1"	100
"Value not defined"	"Unknown Value"	"200 pm"	"1"	900
"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0



## Hoja1

"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"200 pm"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	0
"Value not defined"	"Unknown Value"	"Unknown Value"	"Unknown Value"	250
				0
				0
				0
				0
				0
				0

## Hoja1

"Family"	"Family2"	"Family3"	"Boiling Poin	"Boiling Poin	"Exact Mass' MASA
"Non-Metal"			20,28	"20.28 K"	"1.00782503 1.007825032
"Noblegas"			4,216	"4.216 K"	"4.00260325 4.002603254
615 K"	"Alkali_Earth"		1	"1	"7.01600455 7.01600455"
"3	243 K"	"Alkaline_Ea	560	560 K"	"9.0121822" 9.0121822"
"4	275 K"	"Metalloids"	365	365 K"	"11.0093054 11.0093054"
"Non-Metal"			90,188	"90.188 K"	"15.9949146 15.99491462
"Non-Metal"			77,344	"77.344 K"	"14.003074" 14.003074"
"5	100 K"	"Non-Metal"	825	825 K"	"12" 12"
"Halogene"			85	"85 K"	"18.9984032 18.99840322
"Noblegas"			27,1	"27.1 K"	"19.9924401 19.99244018
156 K"	"Alkali_Earth"		1	"1	"22.9897692 22.98976928
380 K"	"Alkaline_Earth"		1	"1	"23.9850417 23.9850417"
740 K"	"Other_Metal"		2	"2	"26.9815386 26.98153863
"2	630 K"	"Metalloids"	683	683 K"	"27.9769265 27.97692653
"Non-Metal"			553	"553 K"	"30.9737616 30.97376163
"Non-Metal"			717,82	"717.82 K"	"31.972071" 31.972071"
"Halogene"			239,18	"239.18 K"	"34.9688526 34.96885268
"Noblegas"			87,45	"87.45 K"	"39.9623831 39.96238312
033 K"	"Alkali_Earth"		1	"1	"38.9637066 38.96370668
"1	757 K"	"Alkaline_Ea	112	112 K"	"39.9625909 39.96259098
"3	109 K"	"Transition"	814	814 K"	"44.9559119 44.9559119"
"3	560 K"	"Transition"	935	935 K"	"47.9479463 47.9479463"
"3	650 K"	"Transition"	163	163 K"	"50.9439595 50.9439595"
"2	945 K"	"Transition"	130	130 K"	"51.9405075 51.9405075"
"2	235 K"	"Transition"	518	518 K"	"54.9380451 54.9380451"
"3	023 K"	"Transition"	808	808 K"	"55.9349375 55.9349375"
"3	143 K"	"Transition"	768	768 K"	"58.933195" 58.933195"
"3	005 K"	"Transition"	726	726 K"	"57.9353429 57.9353429"
"2	840 K"	"Transition"	356,6	356.6 K"	"62.9295975 62.9295975"
180 K"	"Transition"		1	"1	"63.9291422 63.9291422"
478 K"	"Other_Metal"		2	"2	"68.9255736 68.9255736"
"3	107 K"	"Metalloids"	211,5	211.5 K"	"73.9211778 73.9211778"
"876 K"	"Metalloids"		90	090 K"	"74.9215965 74.9215965"
"Non-Metal"			958	"958 K"	"79.9165213 79.9165213"
"Halogene"			331,85	"331.85 K"	"78.9183371 78.9183371"
"Noblegas"			120,85	"120.85 K"	"83.911507" 83.911507"
"Alkali_Earth"			961	"961 K"	"84.9117897 84.91178974
"1	655 K"	"Alkaline_Ea	42	042 K"	"87.9056121 87.9056121"
"3	611 K"	"Transition"	795	795 K"	"88.9058483 88.9058483"
"4	682 K"	"Transition"	128	128 K"	"89.9047044 89.9047044"
"5	015 K"	"Transition"	742	742 K"	"92.9063781 92.9063781"
"4	912 K"	"Transition"	896	896 K"	"97.9054082 97.9054082"
"4	538 K"	"Transition"	477	477 K"	"97.907216" 97.907216"
"4	425 K"	"Transition"	610	610 K"	"101.904349 101.9043493
"3	970 K"	"Transition"	236	236 K"	"102.905504 102.905504"
"3	240 K"	"Transition"	825	825 K"	"105.903486 105.903486"
"2	436 K"	"Transition"	235,1	235.1 K"	"106.905097 106.905097"
040 K"	"Transition"		1	"1	"113.903358 113.9033585
350 K"	"Other_Metal"		2	"2	"114.903878 114.903878"
876 K"	"Other_Metal"		2	"2	"119.902194 119.9021947
860 K"	"Metalloids"		1	"1	"120.903815 120.9038157
261 K"	"Metalloids"		1	"1	"129.906224 129.9062244

## Hoja1

"Halogene"			457,5	"457.5 K"	"126.904473	126.904473"
"Noblegas"			165,1	"165.1 K"	"131.904153	131.904153E
"Alkali_Earth"			944	"944 K"	"132.905451	132.905451E
"2	078 K"	"Alkaline_Ea	2	002 K"	"137.905247	137.905247E
"3	737 K"	"Rare_Earth'	191	191 K"	"138.906353	138.906353E
"3	715 K"	"Rare_Earth'	71	071 K"	"139.905438	139.905438E
"3	785 K"	"Rare_Earth'	204	204 K"	"140.907652	140.907652E
"3	347 K"	"Rare_Earth'	294	294 K"	"141.907723	141.907723E
"3	273 K"	"Rare_Earth'	315	315 K"	"144.912749	144.912749"
"2	067 K"	"Rare_Earth'	347	347 K"	"151.919732	151.919732E
"1	800 K"	"Rare_Earth'	95	095 K"	"152.921230	152.921230E
"3	545 K"	"Rare_Earth'	585	585 K"	"157.924103	157.924103E
"3	500 K"	"Rare_Earth'	629	629 K"	"158.925346	158.925346E
"2	840 K"	"Rare_Earth'	685	685 K"	"163.929174	163.929174E
"2	968 K"	"Rare_Earth'	747	747 K"	"164.930322	164.930322E
"3	140 K"	"Rare_Earth'	802	802 K"	"165.930293	165.930293E
"2	223 K"	"Rare_Earth'	818	818 K"	"168.934213	168.934213E
"1	469 K"	"Rare_Earth'	92	092 K"	"173.938862	173.938862E
"3	668 K"	"Rare_Earth'	936	936 K"	"174.940771	174.940771E
"4	875 K"	"Transition"	504	504 K"	"179.94655"	179.94655"
"5	730 K"	"Transition"	293	293 K"	"180.947995	180.947995E
"5	825 K"	"Transition"	695	695 K"	"183.950931	183.950931E
"5	870 K"	"Transition"	455	455 K"	"186.955753	186.955753E
"5	300 K"	"Transition"	300	300 K"	"191.961480	191.961480E
"4	700 K"	"Transition"	720	720 K"	"192.962926	192.962926E
"4	100 K"	"Transition"	42,1	042.1 K"	"194.964791	194.964791E
"3	130 K"	"Transition"	337,58	337.58 K"	"196.966568	196.966568E
"Transition"			629,88	"629.88 K"	"201.970643	201.970643E
746 K"	"Other_Metal"		1	"1	"204.974427	204.974427E
023 K"	"Other_Metal"		2	"2	"207.976652	207.976652E
837 K"	"Other_Metal"		1	"1	"208.980398	208.980398E
"Metalloids"			0	"Unknown Value"	"208.982430	208.982430E
"Halogene"			610	"610 K"	"209.987148	209.987148E
"Noblegas"			211.4	"211.4 K"	"222.017577	222.017577E
"Alkali_Earth"			950	"950 K"	"223.019735	223.019735E
413 K"	"Alkaline_Earth"		1	"1	"226.025409	226.025409E
"3	470 K"	"Other_Meta	324	324 K"	"227.027752	227.027752E
"5	060 K"	"Other_Meta	28	028 K"	"232.038055	232.038055E
"4	300 K"	"Other_Meta	845	845 K"	"231.035884	231.035884E
"4	407 K"	"Other_Meta	408	408 K"	"238.050788	238.050788E
175 K"	"Other_Metal"		4	"4	"237.048173	237.048173E
505 K"	"Other_Metal"		3	"3	"244.064204	244.064204E
"2	880 K"	"Other_Meta	449	449 K"	"243.061381	243.061381E
"3	383 K"	"Other_Meta	620	620 K"	"247.070354	247.070354E
"983 K"	"Other_Metal"		258	258 K"	"247.070307	247.070307E
"1	173 K"	"Other_Meta	172	172 K"	"251.079587	251.079587E
"Unknown Value"	"Other_Metal"		130	130 K"	"252.08298"	252.08298E
"Unknown Value"	"Other_Metal"		800	800 K"	"257.095105	257.095105E
"Unknown Value"	"Other_Metal"		100	100 K"	"258.098431	258.098431E
"Unknown Value"	"Other_Metal"		100	100 K"	"259.10103"	259.10103E
"Unknown Value"	"Other_Metal"		900	900 K"	"262.10963"	262.10963E
"Transition"			0	"Unknown Value"	"261.10877"	261.10877E
"Transition"			0	"Unknown Value"	"262.11408"	262.11408E

## Hoja1

"Transition"	0	"Unknown Vε "	"263.11832"	263.11832"
"Transition"	0	"Unknown Vε "	"264.1246"	264.1246"
"Transition"	0	"Unknown Vε "	"265.13009"	265.13009"
"Transition"	0	"Unknown Vε "	"268.13873"	268.13873"
"Transition"	0	"Unknown Vε "	"271.14606"	271.14606"
"Transition"	0	"Unknown Vε "	"272.15362"	272.15362"
"Transition"	0	"Unknown Vε "	"285.17411"	285.17411"
"Other_Metal"	0	"Unknown Vε "	"284.17808"	284.17808"
"Other_Metal"	0	"Unknown Vε "	"289.18728"	289.18728"
"Other_Metal"	0	"Unknown Vε "	"288.19249"	288.19249"
"Other_Metal"	0	"Unknown Vε "	"292.19979"	292.19979"
"Halogene"	0	"Unknown Vε "	""	
"Noblegas"	250	"250 K"	""	
	0			
	0			
	0			
	0			
	0			
	0			

## Hoja1

MASAXX	MASAYYY	MASAZZZZ
1.007825032	1,007825032	1,00782503
4.002603254	4,002603254	4,00260325
7.01600455	7,01600455	7,01600455
9.0121822	9,0121822	9,0121822
11.0093054	11,0093054	11,0093054
15.99491462	15,99491462	15,9949146
14.003074	14,003074	14,003074
12	12	12
18.99840322	18,99840322	18,9984032
19.99244018	19,99244018	19,9924402
22.98976928	22,98976928	22,9897693
23.9850417	23,9850417	23,9850417
26.98153863	26,98153863	26,9815386
27.97692653	27,97692653	27,9769265
30.97376163	30,97376163	30,9737616
31.972071	31,972071	31,972071
34.96885268	34,96885268	34,9688527
39.96238312	39,96238312	39,9623831
38.96370668	38,96370668	38,9637067
39.96259098	39,96259098	39,962591
44.9559119	44,9559119	44,9559119
47.9479463	47,9479463	47,9479463
50.9439595	50,9439595	50,9439595
51.9405075	51,9405075	51,9405075
54.9380451	54,9380451	54,9380451
55.9349375	55,9349375	55,9349375
58.933195	58,933195	58,933195
57.9353429	57,9353429	57,9353429
62.9295975	62,9295975	62,9295975
63.9291422	63,9291422	63,9291422
68.9255736	68,9255736	68,9255736
73.9211778	73,9211778	73,9211778
74.9215965	74,9215965	74,9215965
79.9165213	79,9165213	79,9165213
78.9183371	78,9183371	78,9183371
83.911507	83,911507	83,911507
84.91178974	84,91178974	84,9117897
87.9056121	87,9056121	87,9056121
88.9058483	88,9058483	88,9058483
89.9047044	89,9047044	89,9047044
92.9063781	92,9063781	92,9063781
97.9054082	97,9054082	97,9054082
97.907216	97,907216	97,907216
101.9043493	101,9043493	101,904349
102.905504	102,905504	102,905504
105.903486	105,903486	105,903486
106.905097	106,905097	106,905097
113.9033585	113,9033585	113,903359
114.903878	114,903878	114,903878
119.9021947	119,9021947	119,902195
120.9038157	120,9038157	120,903816
129.9062244	129,9062244	129,906224

## Hoja1

126.904473 126,904473 126,904473  
131.904153E 131,904153E 131,904154  
132.905451C 132,905451C 132,905452  
137.905247Z 137,905247Z 137,905247  
138.906353C 138,906353C 138,906353  
139.9054387 139,9054387 139,905439  
140.907652E 140,907652E 140,907653  
141.907723C 141,907723C 141,907723  
144.912749 144,912749 144,912749  
151.9197324 151,9197324 151,919732  
152.921230C 152,921230C 152,92123  
157.924103C 157,924103C 157,924104  
158.925346E 158,925346E 158,925347  
163.929174E 163,929174E 163,929175  
164.9303221 164,9303221 164,930322  
165.9302931 165,9302931 165,930293  
168.934213C 168,934213C 168,934213  
173.9388621 173,9388621 173,938862  
174.940771E 174,940771E 174,940772  
179.94655 179,94655 179,94655  
180.947995E 180,947995E 180,947996  
183.950931Z 183,950931Z 183,950931  
186.9557531 186,9557531 186,955753  
191.9614807 191,9614807 191,961481  
192.9629264 192,9629264 192,962926  
194.9647911 194,9647911 194,964791  
196.9665687 196,9665687 196,966569  
201.970643 201,970643 201,970643  
204.974427E 204,974427E 204,974428  
207.9766521 207,9766521 207,976652  
208.9803987 208,9803987 208,980399  
208.9824304 208,9824304 208,98243  
209.987148 209,987148 209,987148  
222.0175777 222,0175777 222,017578  
223.019735C 223,019735C 223,019736  
226.025409E 226,025409E 226,02541  
227.0277521 227,0277521 227,027752  
232.038055C 232,038055C 232,038055  
231.035884 231,035884 231,035884  
238.050788Z 238,050788Z 238,050788  
237.0481734 237,0481734 237,048173  
244.064204 244,064204 244,064204  
243.0613811 243,0613811 243,061381  
247.070354 247,070354 247,070354  
247.070307 247,070307 247,070307  
251.079587 251,079587 251,079587  
252.08298 252,08298 252,08298  
257.095105 257,095105 257,095105  
258.098431 258,098431 258,098431  
259.10103 259,10103 259,10103  
262.10963 262,10963 262,10963  
261.10877 261,10877 261,10877  
262.11408 262,11408 262,11408

## Hoja1

263.11832	263,11832	263,11832
264.1246	264,1246	264,1246
265.13009	265,13009	265,13009
268.13873	268,13873	268,13873
271.14606	271,14606	271,14606
272.15362	272,15362	272,15362
285.17411	285,17411	285,17411
284.17808	284,17808	284,17808
289.18728	289,18728	289,18728
288.19249	288,19249	288,19249
292.19979	292,19979	292,19979