	IP1	IP2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
H	13.60		99.9844	0.01557															H
He	24.59	54.42			0.00013	99.9999													He
Li	5.39	75.64						7.589	92.411										Li
Be	9.32	18.21									100								Be
B	8.30	25.15										19.82	80.18						B
C	11.26	24.38												98.8922	1.1078				C
N	14.53	29.60														99.6307	0.3663		N
O	13.62	35.12																99.7628	O

	IP1	IP2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
O	13.61	35.12	0.0372	0.20004															O
F	17.42	34.98			100														F
Ne	21.56	41.07				90.4838	0.2696	9.2465											Ne
Na	5.14	47.29							100										Na
Mg	7.64	15.03								78.992	10.003	11.005							Mg
Al	5.98	18.82											100						Al
Si	8.15	16.34												92.2297	4.6832	3.08716			Si
P	10.48	19.72															100		P
S	10.36	23.40																95.018	S

	IP1	IP2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
S	10.36	23.4	0.750	4.215		0.017													S
Cl	13.01	23.8			75.771		24.229												Cl
Ar	15.76	27.62				0.3365		0.0632		99.6003									Ar
K	4.34	31.81							93.2581	0.01167	6.7302								K
Ca	6.11	11.87								96.941		0.647	0.135	2.086		0.004		0.187	Ca
Sc	6.54	12.8													100				Sc
Ti	6.82	13.57														8.249	7.437	73.720	Ti

	IP1	IP2	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Ti	6.82	13.57	5.409	5.185															Ti
V	6.74	14.65		0.2497	99.7503														V
Cr	6.76	16.49		4.3452		83.7895	9.5006	2.3647											Cr
Mn	7.43	15.64							100										Mn
Fe	7.87	16.18						5.845		91.754	2.1191	0.2819							Fe
Co	7.86	17.05											100						Co
Ni	7.63	18.15										68.0769		26.2231	1.1399	3.6345		0.9256	Ni
Cu	7.72	20.29															69.174		Cu
Zn	9.39	17.96																48.63	Zn

	IP1	IP2	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
Cu	7.72	20.29	30.826																Cu
Zn	6.84	13.3		27.90	4.10	18.75		0.62											Zn
Ga	6	20.57					60.1079		39.8921										Ga
Ge	7.88	15.93						21.234		27.662	7.717	35.943		7.444					Ge
As	9.81	18.63											100						As
Se	9.75	21.5										0.889		9.366	7.635	23.772		49.607	Se
Br	11.84	21.6															50.686		Br
Kr	14.0	24.56														0.35351		2.28086	Kr

	IP1	IP2	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	
Se	9.75	21.5		8.731															Se
Br	11.84	21.6	49.314																Br
Kr	14.0	24.56		11.5830	11.4953	56.9889		17.2984											Kr
Rb	4.18	27.5					72.1654		27.8346										Rb
Sr	5.69	11.03				0.5574		9.8566	7.0015	82.5845									Sr
Y	6.38	12.23									100								Y
Zr	6.84	13.13										51.452	11.223	17.146		17.380		2.799	Zr
Nb	6.88	14.32													100				Nb
Mo	7.10	16.15												14.8362		9.2466	15.9201	16.6756	Mo
Tc	7.28	15.26																	Tc
Ru	7.36	16.76																5.5420	Ru

	IP1	IP2	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	
Mo	7.10	16.15	9.5551	24.1329		9.6335													Mo
Tc	7.28	15.26																	Tc
Ru	7.36	16.76		1.8688	12.7579	12.5985	17.0600	31.5519		18.6210									Ru
Rh	7.46	18.07							100										Rh
Pd	8.33	19.42						1.020		11.14	22.33	27.33		26.46		11.72			Pd
Ag	7.57	21.48											51.8392		48.1608				Ag
Cd	8.99	16.90										1.25		0.89		12.49	12.80	24.13	Cd
In	5.79	18.86																	In
Sn	7.34	14.63																0.973	Sn

	IP1	IP2	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	
Cd	8.99	16.90	12.22	28.73		7.49													Cd
In	5.79	18.86	4.288		95.712														In
Sn	7.34	14.63		0.659	0.339	14.536	7.676	24.223	8.585	32.593		4.629		5.789					Sn
Sb	8.64	16.5									57.213		42.787						Sb
Te	9.01	18.6								0.096		2.603	0.908	4.816	7.139	18.952		31.687	Te
I	10.45	19.13															100		I
Xe	12.13	21.2												0.08913		0.08880		1.91732	Xe

	IP1	IP2	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	
Te	9.01	18.6		33.799															Te
Xe	12.13	21.2	26.4396	4.08271	21.1796	26.8916		10.4423		8.86890									Xe
Cs	3.89	25.1					100												Cs
Ba	5.21	10.00		0.1058		0.1012		2.417	6.592	7.853	11.232	71.699							Ba
La	5.61	11.43										0.09017	99.9098						La
Ce	5.6	12.3								0.186		0.251		88.449		11.114			Ce
Pr	5.46	.....													100				Pr
Nd	5.51	.....														27.16	12.18	23.83	Nd
Pm	.....	.....																	Pm
Sm	5.6	11.2																3.0734	Sm

	IP1	IP2	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	
Nd	5.51	.....	8.30	17.17		5.74		5.62											Nd
Sm	5.6	11.2			14.9934	11.2406	13.8189	7.3796		26.7421		22.7520							Sm
Eu	5.67	11.24							47.810		52.190								Eu
Gd	6.16	12								0.2029		2.1809	14.7998	20.4664	15.6518	24.8347		21.8635	Gd
Tb	5.98	.....															100		Tb
Dy	6.8	.....												0.056		0.096		2.34	Dy

	IP1	IP2	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	
Dy	6.8	.....	18.91	25.51	24.90	28.19													Dy
Ho	.....	.....					100												Ho
Er	6.08	.....		0.137		1.609		33.61	22.93	26.79		14.93							Er
Tm	5.81	.....									100								Tm
Yb	6.2	12.10								0.127		3.04	14.28	21.83	16.13	31.83		12.76	Yb
Lu	.....	14.7															97.416	2.584	Lu
Hf	7	14.9														0.1620		5.2604	Hf

	IP1	IP2	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	
Hf	7	14.9	18.5953	27.2811	13.6210	35.0802													Hf
Ta	7.88	16.2				0.0123	99.9877												Ta
W	7.98	17.7				0.1198		26.4985	14.3136	30.6422		28.4259							W
Re	7.87	16.6									37.398		62.602						Re
Os	8.5	17								0.0197		1.5859	1.9684	13.2434	16.1466	26.2584		40.7815	Os
Ir	9	.....															37.272		Ir
Pt	9.0	18.56														0.01363		0.78266	Pt

	IP1	IP2	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	
Ir	9	.....	62.728																Ir
Pt	9.0	18.56		32.9670	33.8316	25.2417		7.16349											Pt
Au	9.22	20.5					100												Au
Hg	10.43	18.75				0.15344		9.968	16.873	23.096	13.181	29.863		6.865					Hg
Tl	6.11	20.42											29.524		70.476				Tl
Pb	7.42	15.03												1.4245		24.1447	22.0827	52.3481	Pb

	IP1	IP2	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	
Bi	7.29	16.68	100																Bi

	IP1	IP2	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	
Th	6.95	.....								100									Th
U	6.08	.....										0.00548	0.7200			99.2745			U