

**Table 6D**  
**PLICHTA'S PRIME NUMBER CROSS & CHEMICAL ELEMENTS**

Plichta's PNC		Chemical Elements (Wikipedia March 2, 2010)					
Ring	Axis	No.	Name	Sym	Period	Group	Chemical series
0	0°		Neutron				
1	15° A	1	Hydrogen	H	1	1	Nonmetal
1	30°	2	Helium	He	1	18	Noble gas
1	45°	3	Lithium	Li	2	1	Alkali metal
1	60°	4	Beryllium	Be	2	2	Alkaline earth metal
1	75° B	5	Boron	B	2	13	Metalloid
1	90°	6	Carbon	C	2	14	Nonmetal
1	105° C	7	Nitrogen	N	2	15	Nonmetal
1	120°	8	Oxygen	O	2	16	Nonmetal
1	135°	9	Fluorine	F	2	17	Halogen
1	150°	10	Neon	Ne	2	18	Noble gas
1	165° D	11	Sodium	Na	3	1	Alkali metal
1	180°	12	Magnesium	Mg	3	2	Alkaline earth metal
1	195° E	13	Aluminium	Al	3	13	Poor metal
1	210°	14	Silicon	Si	3	14	Metalloid
1	225°	15	Phosphorus	P	3	15	Nonmetal
1	240°	16	Sulfur	S	3	16	Nonmetal
1	255° F	17	Chlorine	Cl	3	17	Halogen
1	270°	18	Argon	Ar	3	18	Noble gas
1	285° G	19	Potassium	K	4	1	Alkali metal
1	300°	20	Calcium	Ca	4	2	Alkaline earth metal
1	315°	21	Scandium	Sc	4	3	Transition metal
1	330°	22	Titanium	Ti	4	4	Transition metal
1	345° H	23	Vanadium	V	4	5	Transition metal
1	360°	24	Chromium	Cr	4	6	Transition metal
2	15° A	25	Manganese	Mn	4	7	Transition metal
2	30°	26	Iron	Fe	4	8	Transition metal
2	45°	27	Cobalt	Co	4	9	Transition metal
2	60°	28	Nickel	Ni	4	10	Transition metal
2	75° B	29	Copper	Cu	4	11	Transition metal
2	90°	30	Zinc	Zn	4	12	Transition metal
2	105° C	31	Gallium	Ga	4	13	Poor metal
2	120°	32	Germanium	Ge	4	14	Metalloid
2	135°	33	Arsenic	As	4	15	Metalloid
2	150°	34	Selenium	Se	4	16	Nonmetal
2	165° D	35	Bromine	Br	4	17	Halogen
2	180°	36	Krypton	Kr	4	18	Noble gas
2	195° E	37	Rubidium	Rb	5	1	Alkali metal
2	210°	38	Strontium	Sr	5	2	Alkaline earth metal
2	225°	39	Yttrium	Y	5	3	Transition metal

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2	240°	40	Zirconium	Zr	5	4	Transition metal
2	255° F	41	Niobium	Nb	5	5	Transition metal
2	270°	42	Molybdenum	Mo	5	6	Transition metal
2	285° G	43	<b>Technetium</b>	Tc	5	7	Transition metal
2	300°	44	Ruthenium	Ru	5	8	Transition metal
2	315°	45	Rhodium	Rh	5	9	Transition metal
2	330°	46	Palladium	Pd	5	10	Transition metal
2	345° H	47	Silver	Ag	5	11	Transition metal
2	360°	48	Cadmium	Cd	5	12	Transition metal
3	15° A	49	Indium	In	5	13	Poor metal
3	30°	50	Tin	Sn	5	14	Poor metal
3	45°	51	Antimony	Sb	5	15	Metalloid
3	60°	52	Tellurium	Te	5	16	Metalloid
3	75° B	53	Iodine	I	5	17	Halogen
3	90°	54	Xenon	Xe	5	18	Noble gas
3	105° C	55	Caesium	Cs	6	1	Alkali metal
3	120°	56	Barium	Ba	6	2	Alkaline earth metal
3	135°	57	Lanthanum	La	6	0	Lanthanoid
3	150°	58	Cerium	Ce	6	0	Lanthanoid
3	165° D	59	Praseodymium	Pr	6	0	Lanthanoid
3	180°	60	Neodymium	Nd	6	0	Lanthanoid
3	195° E	61	<b>Promethium</b>	Pm	6	0	Lanthanoid
3	210°	62	Samarium	Sm	6	0	Lanthanoid
3	225°	63	Europium	Eu	6	0	Lanthanoid
3	240°	64	Gadolinium	Gd	6	0	Lanthanoid
3	255° F	65	Terbium	Tb	6	0	Lanthanoid
3	270°	66	Dysprosium	Dy	6	0	Lanthanoid
3	285° G	67	Holmium	Ho	6	0	Lanthanoid
3	300°	68	Erbium	Er	6	0	Lanthanoid
3	315°	69	Thulium	Tm	6	0	Lanthanoid
3	330°	70	Ytterbium	Yb	6	0	Lanthanoid
3	345° H	71	Lutetium	Lu	6	3	Lanthanoid
3	360°	72	Hafnium	Hf	6	4	Transition metal
4	15° A	73	Tantalum	Ta	6	5	Transition metal
4	30°	74	Tungsten	W	6	6	Transition metal
4	45°	75	Rhenium	Re	6	7	Transition metal
4	60°	76	Osmium	Os	6	8	Transition metal
4	75° B	77	Iridium	Ir	6	9	Transition metal
4	90°	78	Platinum	Pt	6	10	Transition metal
4	105° C	79	Gold	Au	6	11	Transition metal

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4	120°	80	<b>Mercury</b>	Hg	6	12	Transition metal
4	135°	81	<b>Thallium</b>	Tl	6	13	Poor metal
4	150°	82	<b>Lead</b>	Pb	6	14	Poor metal
4	165° D	83	<b>Bismuth</b>	Bi	6	15	Poor metal
4	180°	84	<b>Polonium</b>	Po	6	16	Metalloid
4	195° E	85	<b>Astatine</b>	At	6	17	Halogen
4	210°	86	<b>Radon</b>	Rn	6	18	Noble gas
4	225°	87	<b>Francium</b>	Fr	7	1	Alkali metal
4	240°	88	<b>Radium</b>	Ra	7	2	Alkaline earth metal
4	255° F	89	<b>Actinium</b>	Ac	7	0	Actinoid
4	270°	90	<b>Thorium</b>	Th	7	0	Actinoid
4	285° G	91	<b>Protactinium</b>	Pa	7	0	Actinoid
4	300°	92	<b>Uranium</b>	U	7	0	Actinoid
4	315°	93	<b>Neptunium</b>	Np	7	0	Actinoid
4	330°	94	<b>Plutonium</b>	Pu	7	0	Actinoid
4	345° H	95	<b>Americium</b>	Am	7	0	Actinoid
4	360°	96	<b>Curium</b>	Cm	7	0	Actinoid
5	15° A	97	<b>Berkelium</b>	Bk	7	0	Actinoid
5	30°	98	<b>Californium</b>	Cf	7	0	Actinoid
5	45°	99	<b>Einsteinium</b>	Es	7	0	Actinoid
5	60°	100	<b>Fermium</b>	Fm	7	0	Actinoid
5	75° B	101	<b>Mendelevium</b>	Md	7	0	Actinoid
5	90°	102	<b>Nobelium</b>	No	7	0	Actinoid
5	105° C	103	<b>Lawrencium</b>	Lr	7	3	Actinoid
5	120°	104	<b>Rutherfordium</b>	Rf	7	4	Transition metal
5	135°	105	<b>Dubnium</b>	Db	7	5	Transition metal
5	150°	106	<b>Seaborgium</b>	Sg	7	6	Transition metal
5	165° D	107	<b>Bohrium</b>	Bh	7	7	Transition metal
5	180°	108	<b>Hassium</b>	Hs	7	8	Transition metal
5	195° E	109	<b>Meitnerium</b>	Mt	7	9	Transition metal
5	210°	110	<b>Darmstadtium</b>	Ds	7	10	Transition metal
5	225°	111	<b>Roentgenium</b>	Rg	7	11	Transition metal
5	240°	112	<b>Copernicium</b>	Cn	7	12	Transition metal
5	255° F	113	<b>Ununtrium</b>	Uut	7	13	Poor metal
5	270°	114	<b>Ununquadium</b>	Uuq	7	14	Poor metal
5	285° G	115	<b>Ununpentium</b>	Uup	7	15	Poor metal
5	300°	116	<b>Ununhexium</b>	Uuh	7	16	Poor metal
5	315°	117	<b>Ununseptium</b>	Uus	7	17	Halogen
5	330°	118	<b>Ununoctium</b>	Uuo	7	18	Noble gas
5	345° H	119					

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5	360°	120					
6	15° A	121					
6	30°	122					
6	45°	123					
6	60°	124					
6	75° B	125					
6	90°	126					
6	105° C	127					
6	120°	128					
6	135°	129					
6	150°	130					
6	165° D	131					
6	180°	132					
6	195° E	133					
6	210°	134					
6	225°	135					
6	240°	136					
6	255° F	137					
6	270°	138					
6	285° G	139					
6	300°	140					
6	315°	141					
6	330°	142					
6	345° H	143					
6	360°	144					