Electron Configuration	1s <sup>1</sup>	$1s^2$	$1s^2 2s^1$	$1s^2 2s^2$	$1s^2 2s^2 2p^1$	$1\mathrm{s}^22\mathrm{s}^22\mathrm{p}^2$	$1s^2 2s^2 2p^3$	$1s^2 2s^2 2p^4$	$1s^2 2s^2 2p^5$	$1s^{2}2s^{2}2p^{6}$	$1s^2 2s^2 2p^6 3s^1$	$1s^2 2s^2 2p^6 3s^2$	$1s^2 2s^2 2p^6 3s^2 3p^1$	$1s^2 2s^2 2p^6 3s^2 3p^2$	$1s^2 2s^2 2p^6 3s^2 3p^3$	$1s^2 2s^2 2p^6 3s^2 3p^4$	$1s^2 2s^2 2p^6 3s^2 3p^5$	$1s^2 2s^2 2p^6 3s^2 3p^6$	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^1 4s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^2 4s^2$	$1s^2 2s^2 2\bar{p}^6 3s^2 3\bar{p}^6 3d^3 4s^2$	$1s^2 2s^2 2\bar{p}^6 3s^2 3\bar{p}^6 3d^5 4s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^5 4s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^6 4s^2$	$1s^2 2s^2 2\tilde{p}^6 3s^2 3\tilde{p}^6 3d^7 4s^2$	$1\mathrm{s}^22\mathrm{s}^22\mathrm{\hat{p}}^63\mathrm{s}^23\mathrm{\hat{p}}^63\mathrm{d}^84\mathrm{s}^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^1$
Main Isotope	1	4	7	6	11	12	14	16	19	20	23	24	27	28	31	32	35	40	39	40	45	48	51	52	55	56	59	58	63
Name	Hydrogen	Helium	Lithium	Beryllium	Boron	Carbon	Nitrogen	Oxygen	Fluorine	Neon	Sodium	Magnesium	Aluminium	Silicon	Phosphorus	Sulfur	Chlorine	Argon	Potassium	Calcium	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper
Symbol	H	He	Li	Be	В	C	Z	0	Ч	Ne	Na	Mg	Al	Si	Ь	S	Cl	Ar	K	Ca	Sc	Ti	>	Cr	Mn	Fe	Co	ÿ	Cu
Number	1	2	3	4	5	9		8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

Electron Configuration	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$	$1\mathrm{s}^{2}2\mathrm{s}^{2}2\mathrm{p}^{6}3\mathrm{s}^{2}3\mathrm{p}^{6}3\mathrm{d}^{10}4\mathrm{s}^{2}4\mathrm{p}^{1}$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^3$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^5$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 5s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 5s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^1 5s^2$	$1\mathrm{s}^22\mathrm{s}^22\mathrm{p}^63\mathrm{s}^23\mathrm{p}^63\mathrm{d}^{10}4\mathrm{s}^24\mathrm{p}^64\mathrm{d}^25\mathrm{s}^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^4 5s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^5 5s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^6 5s^1$	$1\mathrm{s}^22\mathrm{s}^22\mathrm{p}^63\mathrm{s}^23\mathrm{p}^63\mathrm{d}^{10}4\mathrm{s}^24\mathrm{p}^64\mathrm{d}^75\mathrm{s}^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^8 5s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10}$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^1$	$1\mathrm{s}^{2}2\mathrm{s}^{2}2\mathrm{p}^{6}3\mathrm{s}^{2}3\mathrm{p}^{6}3\mathrm{d}^{10}4\mathrm{s}^{2}4\mathrm{p}^{6}4\mathrm{d}^{10}5\mathrm{s}^{2}$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^3$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^5$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 6s^1$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 5d^1 6s^2$	$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^25s^25p^66s^2$
Main Isotope	64	69	74	75	80	79	84	85	88	89	90	93	86	66	102	103	106	107	114	115	120	121	130	127	132	133	138	139	140
Name	Zinc	Gallium	Germanium	Arsenic	Selenium	Bromine	Krypton	Rubidium	Strontium	Yttrium	Zirconium	Niobium	Molybdenum	Technetium	Ruthenium	Rhodium	Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	Iodine	Xenon	Caesium	Barium	Lanthanum	Cerium
Symbol	Zn	Ga	Ge	As	Se	Br	Kr	Rb	Sr	Y	Zr	Nb	Мо	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	Cs	Ba	La	Ce
Number	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	20	51	52	53	54	55	26	57	58

	$10^64d^{10}4f^35s^25p^66s^2$	$^{1}$ $^{6}$ $^{4}$ $^{10}$ $^{4}$ $^{5}$ $^{2}$ $^{5}$ $^{6}$ $^{6}$ $^{2}$	$^{1}$ $^{6}$ $^{4}$ $^{10}$ $^{4}$ $^{5}$ $^{5}$ $^{2}$ $^{5}$ $^{6}$ $^{6}$ $^{5}$	$^{1}$	$^{1}$	$s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^7 5 s^2 5 p^6 5 d^1 6 s^2$	$^{1}$	$^{1}$	$^{1}$	$^{1}$	$^{1}$	$^{1}$	$\mathrm{s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^{1}6s^2}$	$\mathrm{s}^22\mathrm{s}^22\mathrm{p}^63\mathrm{s}^23\mathrm{p}^63\mathrm{d}^{10}4\mathrm{s}^24\mathrm{p}^64\mathrm{d}^{10}4\mathrm{f}^{14}5\mathrm{s}^25\mathrm{p}^65\mathrm{d}^26\mathrm{s}^2$	$^{3}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{5}$ $^{2}$ $^{5}$ $^{6}$ $^{3}$ $^{6}$ $^{5}$ $^{4}$ $^{6}$ $^{4}$ $^{14}$ $^{5}$ $^{2}$ $^{5}$ $^{5}$ $^{5}$ $^{6}$ $^{5}$ $^{4}$ $^{6}$ $^{5$	$^{3}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{5}$ $^{5}$ $^{5}$ $^{6}$ $^{5}$ $^{4}$ $^{6}$ $^{5}$ $^{4}$ $^{6}$ $^{5}$ $^{5}$ $^{5}$ $^{5}$ $^{5}$ $^{6}$ $^{5}$ $^{4}$ $^{6}$ $^{5}$	$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^56s^2$	$s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^6 6 s^2$	$s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^7 6 s^2$	$\cdot s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^9 6 s^1$	$\mathrm{s}^2 2 \mathrm{s}^2 2 \mathrm{p}^6 3 \mathrm{s}^2 3 \mathrm{p}^6 3 \mathrm{d}^{10} 4 \mathrm{s}^2 4 \mathrm{p}^6 4 \mathrm{d}^{10} 4 \mathrm{f}^{14} 5 \mathrm{s}^2 5 \mathrm{p}^6 5 \mathrm{d}^{10} 6 \mathrm{s}^1$	$18^228^22p^638^23p^63d^{10}48^24p^64d^{10}4f^{14}58^25p^65d^{10}68^2$	$\cdot s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^{10} 6 s^2 6 p^1$	$s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^{10} 6 s^2 6 p^2$	$^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{5}$ $^{9}$ $^{5}$ $^{4}$ $^{10}$ $^{4}$ $^{14}$ $^{5}$ $^{2}$ $^{5}$ $^{5}$ $^{5}$ $^{5}$ $^{10}$ $^{6}$ $^{2}$ $^{6}$ $^{5}$	$s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^{10} 6 s^2 6 p^4$	$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^{10}6s^26p^5$	$-s^2 2 s^2 2 p^6 3 s^2 3 p^6 3 d^{10} 4 s^2 4 p^6 4 d^{10} 4 f^{14} 5 s^2 5 p^6 5 d^{10} 6 s^2 6 p^6$	$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^{10}6s^26p^67s^1$
Electron Configuration	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^3 5s^2 5p^6 6s^2$	$1s^2 2s^2 2\bar{p}^6 3s^2 3\bar{p}^6 3d^{10} 4s^2 4\bar{p}^6 4d^{10} 4f^4 5s^2 5\bar{p}^6 6s^2$	$1s^2 2s^2 2\bar{p}^6 3s^2 3\bar{p}^6 3d^{10} 4s^2 4\bar{p}^6 4d^{10} 4f^5 5s^2 5\bar{p}^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^6 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^7 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^9 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{10} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{11} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{12} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{13} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 6s^2$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4$	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4s^2 4s^2 4s^2 4s^2 4s^2 4s^2 4s^2$
Main Isotope	141	142	147	152	153	158	159	164	165	166	169	174	175	180	181	184	187	192	193	195	197	202	205	208	209	210		222	223
Name	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holminm	Erbium	Thulium	Ytterbium	Lutetium	Hafnium	Tantalium	Tungsten	Rhenium	Osmium	Iridium	Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon	Francium
Symbol	Pr	pN	Pm	Sm	Eu	PS	Tp	Dy	Но	Er	Tm	Yb	Lu	Hf	Та	W	Re	Os	Ir	Pt	Au	Hg	II	Pb	Bi	Po	At	Rn	$\operatorname{Fr}$
Number	59	09	61	62	63	64	65	99	29	89	69	70	71	72	73	74	75	9/	77	78	62	80	81	82	83	84	85	98	87

Number	Symbol	Name	Main Isotope	Electron Configuration
88	Ra	Radium	226	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 6s^2 6p^6 7s^2 \\$
89	Ac	Actinium	227	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 6s^2 6p^6 6d^1 7s^2$
90	Th	Thorium	232	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 6s^2 6p^6 6d^2 7s^2$
91	Pa	Protactinium	231	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^2 6s^2 6p^6 6d^1 7s^2$
92	Ω	Uranium	238	$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^{10}5f^36s^26p^66d^17s^2$
93	$^{ m dN}$	Neptunium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^4 6s^2 6p^6 6d^1 7s^2$
94	Pu	Plutonium	244	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^6 6s^2 6p^6 7s^2$
95	Am	Americium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^7 6s^2 6p^6 7s^2$
96	Cm	Curium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^7 6s^2 6p^6 6d^1 7s^2$
26	Bk	Berkelium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^9 6s^2 6p^6 7s^2$
86	Cf	Californium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{10} 6s^2 6p^6 7s^2$
66	Es	Einsteinium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{11} 6s^2 6p^6 7s^2$
100	Fm	Fermium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{12} 6s^2 6p^6 7s^2$
101	Md	Mendelevium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{13} 6s^2 6p^6 7s^2$
102	No	Nobelium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 7s^2$
103	Lr	Lawrencium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^1 7s^2$
104	Rf	Rutherfordium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^2 7s^2$
105	Db	Dubnium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^3 7s^2$
106	Sg	Seaborgium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^4 7s^2$
107	Bh	Bohrium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^5 7s^2$
108	Hs	Hassium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^6 7s^2$
109	Mt	Meitnerium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^7 7s^2$
110	Ds	Darmstadtium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^9 7s^1 \\$
111	$^{ m Rg}$	Roentgenium		$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^{10} 5f^{14} 6s^2 6p^6 6d^{10} 7s^1 \\$
112	Cn	Copernicium		$1s^22s^22p^63s^23p^63d^{10}4s^24p^64d^{10}4f^{14}5s^25p^65d^{10}5f^{14}6s^26p^66d^{10}7s^2$