

ELECTRON CONFIGURATION WORKSHEET

S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
1	HYDROGEN	
2	HELIUM	
3	LITHIUM	
4	BERYLLIUM	
5	BORON	
6	CARBON	
7	NITROGEN	
8	OXYGEN	
9	FLUORINE	
10	NEON	
11	SODIUM	
12	MAGNESIUM	
13	ALUMINIUM	
14	SILICON	
15	PHOSPHORUS	
16	SULFUR	
17	CHLORINE	
18	ARGON	
19	POTASSIUM	
20	CALCIUM	
21	SCANDIUM	
22	TITANIUM	

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ELECTRON CONFIGURATION WORKSHEET

S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
23	VANADIUM	
24	CHROMIUM	
25	MANGANESE	
26	IRON	
27	COBALT	
28	NICKEL	
29	COPPER	
30	ZINC	
31	GALLIUM	
32	GERMANIUM	
33	ARSENIC	
34	SELENIUM	
35	BROMINE	
36	KRYPTON	
37	RUBIDIUM	
38	STRONTIUM	
39	YTTRIUM	
40	ZIRCONIUM	
41	NIOBIUM	
42	MOLYBDENUM	
43	TECHNETIUM	
44	RUTHENIUM	

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S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
45	RHODIUM	
46	PALLADIUM	
47	SILVER	
48	CADMIUM	
49	INDIUM	
50	TIN	
51	ANTIMONY	
52	TELLURIUM	
53	IODINE	
54	XENON	
55	CESIUM	
56	BARIUM	
57	LANTHANUM	
58	CERIUM	
59	PRASEODYMIUM	
60	NEODYMIUM	
61	PROMETHIUM	
62	SAMARIUM	
63	EUROPIUM	
64	GADOLINIUM	
65	TERBIUM	
66	DYSPROSIUM	

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S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
67	HOLMIUM	
68	ERBIUM	
69	THULIUM	
70	YTTERBIUM	
71	LUTETIUM	
72	HAFNIUM	
73	TANTALUM	
74	TUNGSTEN	
75	RHENIUM	
76	OSMIUM	
77	IRIDIUM	
78	PLATINUM	
79	GOLD	
80	MERCURY	
81	THALLIUM	
82	LEAD	
83	BISMUTH	
84	POLONIUM	
85	ASTATINE	
86	RADON	
87	FRANCIUM	
88	RADIUM	

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S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
89	ACTINIUM	
90	THORIUM	
91	PROTACTINIUM	
92	URANIUM	
93	NEPTUNIUM	
94	PLUTONIUM	
95	AMERICIUM	
96	CURIUM	
97	BERKELIUM	
98	CALIFORNIUM	
99	EINSTEINIUM	
100	FERMIUM	
101	MENDELEVIUM	
102	NOBELIUM	
103	LAWRENCIUM	
104	RUTHERFORDIUM	
105	DUBNIUM	
106	SEABORGIUM	
107	BOHRIUM	
108	HASSIUM	
109	MEITNERIUM	
110	DARMSTADIUM	

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ELECTRON CONFIGURATION WORKSHEET

S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
111	ROENTGENIUM	
112	COPERNIUM	
113	NIHONIUM	
114	FLEROVIUM	
115	MOSCOVIUM	
116	LIVERMORIUM	
117	TENNESSINE	
118	OGANESSON	

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ELECTRON CONFIGURATION WORKSHEET -ANSWER

S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
1	HYDROGEN	$1s^1$
2	HELIUM	$1s^2$
3	LITHIUM	$1s^2 2s^1$
4	BERYLLIUM	$1s^2 2s^2$
5	BORON	$1s^2 2s^2 2p^1$
6	CARBON	$1s^2 2s^2 2p^2$
7	NITROGEN	$1s^2 2s^2 2p^3$
8	OXYGEN	$1s^2 2s^2 2p^4$
9	FLUORINE	$1s^2 2s^2 2p^5$
10	NEON	$1s^2 2s^2 2p^6$
11	SODIUM	$1s^2 2s^2 2p^6 3s^1$
12	MAGNESIUM	$1s^2 2s^2 2p^6 3s^2$
13	ALUMINIUM	$1s^2 2s^2 2p^6 3s^2 3p^1$
14	SILICON	$1s^2 2s^2 2p^6 3s^2 3p^2$
15	PHOSPHORUS	$1s^2 2s^2 2p^6 3s^2 3p^3$
16	SULFUR	$1s^2 2s^2 2p^6 3s^2 3p^4$
17	CHLORINE	$1s^2 2s^2 2p^6 3s^2 3p^5$
18	ARGON	$1s^2 2s^2 2p^6 3s^2 3p^6$
19	POTASSIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$
20	CALCIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2$
21	SCANDIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^1$
22	TITANIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^2$

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ELECTRON CONFIGURATION WORKSHEET- ANSWER

S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
23	VANADIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^3$
24	CHROMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^5 4s^1$
25	MANGANESE	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^5 4s^2$
26	IRON	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^6 4s^2$
27	COBALT	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^7 4s^2$
28	NICKEL	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^8 4s^2$
29	COPPER	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^1$
30	ZINC	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$
31	GALLIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^1$
32	GERMANIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^2$
33	ARSENIC	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^3$
34	SELENIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^4$
35	BROMINE	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^5$
36	KRYPTON	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6$
37	RUBIDIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 5s^1$
38	STRONTIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 5s^2$
39	YTTRIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^1 5s^2$
40	ZIRCONIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^2 5s^2$
41	NIوبيUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^4 5s^1$
42	MOLYBDENUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^5 5s^1$
43	TECHNETIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^5 5s^2$
44	RUTHENIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^7 5s^1$

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S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
45	RHODIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^8 5s^1$
46	PALLADIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10}$
47	SILVER	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^1$
48	CADMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2$
49	INDIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^1$
50	TIN	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^2$
51	ANTIMONY	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^3$
52	TELLURIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^4$
53	IODINE	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^5$
54	XENON	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6$
55	CESIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 6s^1$
56	BARIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 6s^2$
57	LANTHANUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 5d^1 6s^2$
58	CERIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^1 5d^1 6s^2$
59	PRASEODYMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^3 6s^2$
60	NEODYMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^4 6s^2$
61	PROMETHIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^5 6s^2$
62	SAMARIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^6 6s^2$
63	EUROPIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^7 6s^2$
64	GADOLINIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^7 5d^1 6s^2$
65	TERBIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^9 6s^2$
66	DYSPROSIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{10} 6s^2$

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67	HOLMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{11} 6s^2$
68	ERBIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{12} 6s^2$
69	THULIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{13} 6s^2$
70	YTTERBIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 6s^2$
71	LUTETIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^1 6s^2$
72	HAFNIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^2 6s^2$
73	TANTALUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^3 6s^2$
74	TUNGSTEN	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^4 6s^2$
75	RHENIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^5 6s^2$
76	OSMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^6 6s^2$
77	IRIDIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^7 6s^2$
78	PLATINUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^9 6s^1$
79	GOLD	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^1$
80	MERCURY	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2$
81	THALLIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^1$
82	LEAD	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^2$
83	BISMUTH	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^3$
84	POLONIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^4$
85	ASTATINE	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^5$
86	RADON	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6$
87	FRANCIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 7s^1$
88	RADIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 7s^2$

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89	ACTINIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 6d^1 7s^2$
90	THORIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 6d^2 7s^2$
91	PROTACTINIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^2 6d^1 7s^2$
92	URANIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^3 6d^1 7s^2$
93	NEPTUNIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^4 6d^1 7s^2$
94	PLUTONIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^6 7s^2$
95	AMERICIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^7 7s^2$
96	CURIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^7 6d^1 7s^2$
97	BERKELIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^9 7s^2$
98	CALIFORNIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{10} 7s^2$
99	EINSTEINIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{11} 7s^2$
100	FERMIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{12} 7s^2$
101	MENDELEVIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{13} 7s^2$
102	NOBELIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 7s^2$
103	LAWRENCIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 7s^2 7p^1$
104	RUTHERFORDIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^2 7s^2$
105	DUBNIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^3 7s^2$
106	SEABORGIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^4 7s^2$
107	BOHRIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^5 7s^2$
108	HASSIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^6 7s^2$
109	MEITNERIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^7 7s^2$
110	DARMSTADIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^9 7s^1$

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S.NO	ELEMENTS	UNABBREVIATED ELECTRON CONFIGURATION
111	ROENTGENIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^1$
112	COPERNIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2$
113	NIHONIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^1$
114	FLEROVIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^2$
115	MOSCOVIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^3$
116	LIVERMORIUM	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^4$
117	TENNESSINE	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^5$
118	OGANESSON	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^2 6p^6 5f^{14} 6d^{10} 7s^2 7p^6$

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