

Electron Configurations of the Elements

1	Hydrogen	$1s^1$	44	Ruthenium	$[\text{Kr}]4d^75s^1$
2	Helium	$1s^2$	45	Rhodium	$[\text{Kr}]4d^85s^1$
3	Lithium	$[\text{He}]2s^1$	46	Palladium	$[\text{Kr}]4d^{10}$
4	Beryllium	$[\text{He}]2s^2$	47	Silver	$[\text{Kr}]4d^{10}5s^1$
5	Boron	$[\text{He}]2s^22p^1$	48	Cadmium	$[\text{Kr}]4d^{10}5s^2$
6	Carbon	$[\text{He}]2s^22p^2$	49	Indium	$[\text{Kr}]4d^{10}5s^25p^1$
7	Nitrogen	$[\text{He}]2s^22p^3$	50	Tin	$[\text{Kr}]4d^{10}5s^25p^2$
8	Oxygen	$[\text{He}]2s^22p^4$	51	Antimony	$[\text{Kr}]4d^{10}5s^25p^3$
9	Fluorine	$[\text{He}]2s^22p^5$	52	Tellurium	$[\text{Kr}]4d^{10}5s^25p^4$
10	Neon	$[\text{He}]2s^22p^6$	53	Iodine	$[\text{Kr}]4d^{10}5s^25p^5$
11	Sodium	$[\text{Ne}]3s^1$	54	Xenon	$[\text{Kr}]4d^{10}5s^25p^6$
12	Magnesium	$[\text{Ne}]3s^2$	55	Cesium	$[\text{Xe}]6s^1$
13	Aluminum	$[\text{Ne}]3s^23p^1$	56	Barium	$[\text{Xe}]6s^2$
14	Silicon	$[\text{Ne}]3s^23p^2$	57	Lanthanum	$[\text{Xe}]5d^16s^2$
15	Phosphorus	$[\text{Ne}]3s^23p^3$	58	Cerium	$[\text{Xe}]4f^15d^16s^2$
16	Sulfur	$[\text{Ne}]3s^23p^4$	59	Praseodymium	$[\text{Xe}]4f^36s^2$
17	Chlorine	$[\text{Ne}]3s^23p^5$	60	Neodymium	$[\text{Xe}]4f^46s^2$
18	Argon	$[\text{Ne}]3s^23p^6$	61	Promethium	$[\text{Xe}]4f^56s^2$
19	Potassium	$[\text{Ar}]4s^1$	62	Samarium	$[\text{Xe}]4f^66s^2$
20	Calcium	$[\text{Ar}]4s^2$	63	Europium	$[\text{Xe}]4f^76s^2$
21	Scandium	$[\text{Ar}]3d^14s^2$	64	Gadolinium	$[\text{Xe}]4f^75d^16s^2$
22	Titanium	$[\text{Ar}]3d^24s^2$	65	Terbium	$[\text{Xe}]4f^96s^2$
23	Vanadium	$[\text{Ar}]3d^34s^2$	66	Dysprosium	$[\text{Xe}]4f^{10}6s^2$
24	Chromium	$[\text{Ar}]3d^54s^1$	67	Holmium	$[\text{Xe}]4f^{11}6s^2$
25	Manganese	$[\text{Ar}]3d^54s^2$	68	Erbium	$[\text{Xe}]4f^{12}6s^2$
26	Iron	$[\text{Ar}]3d^64s^2$	69	Thulium	$[\text{Xe}]4f^{13}6s^2$
27	Cobalt	$[\text{Ar}]3d^74s^2$	70	Ytterbium	$[\text{Xe}]4f^{14}6s^2$
28	Nickel	$[\text{Ar}]3d^84s^2$	71	Lutetium	$[\text{Xe}]4f^{14}5d^16s^2$
29	Copper	$[\text{Ar}]3d^{10}4s^1$	72	Hafnium	$[\text{Xe}]4f^{14}5d^26s^2$
30	Zinc	$[\text{Ar}]3d^{10}4s^2$	73	Tantalum	$[\text{Xe}]4f^{14}5d^36s^2$
31	Gallium	$[\text{Ar}]3d^{10}4s^24p^1$	74	Tungsten	$[\text{Xe}]4f^{14}5d^46s^2$
32	Germanium	$[\text{Ar}]3d^{10}4s^24p^2$	75	Rhenium	$[\text{Xe}]4f^{14}5d^56s^2$
33	Arsenic	$[\text{Ar}]3d^{10}4s^24p^3$	76	Osmium	$[\text{Xe}]4f^{14}5d^66s^2$
34	Selenium	$[\text{Ar}]3d^{10}4s^24p^4$	77	Iridium	$[\text{Xe}]4f^{14}5d^76s^2$
35	Bromine	$[\text{Ar}]3d^{10}4s^24p^5$	78	Platinum	$[\text{Xe}]4f^{14}5d^96s^1$
36	Krypton	$[\text{Ar}]3d^{10}4s^24p^6$	79	Gold	$[\text{Xe}]4f^{14}5d^{10}6s^1$
37	Rubidium	$[\text{Kr}]5s^1$	80	Mercury	$[\text{Xe}]4f^{14}5d^{10}6s^2$
38	Strontium	$[\text{Kr}]5s^2$	81	Thallium	$[\text{Xe}]4f^{14}5d^{10}6s^26p^1$
39	Yttrium	$[\text{Kr}]4d^15s^2$	82	Lead	$[\text{Xe}]4f^{14}5d^{10}6s^26p^2$
40	Zirconium	$[\text{Kr}]4d^25s^2$	83	Bismuth	$[\text{Xe}]4f^{14}5d^{10}6s^26p^3$
41	Niobium	$[\text{Kr}]4d^45s^1$	84	Polonium	$[\text{Xe}]4f^{14}5d^{10}6s^26p^4$
42	Molybdenum	$[\text{Kr}]4d^55s^1$	85	Astatine	$[\text{Xe}]4f^{14}5d^{10}6s^26p^5$
43	Technetium	$[\text{Kr}]4d^55s^2$	86	Radon	$[\text{Xe}]4f^{14}5d^{10}6s^26p^6$

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87	Francium	$[\text{Rn}]7s^1$	103	Lawrencium	$[\text{Rn}]5f^{14}7s^27p^1$
88	Radium	$[\text{Rn}]7s^2$	104	Rutherfordium	$[\text{Rn}]5f^{14}6d^27s^2$
89	Actinium	$[\text{Rn}]6d^17s^2$	105	Dubnium	$[\text{Rn}]5f^{14}6d^37s^2$
90	Thorium	$[\text{Rn}]6d^27s^2$	106	Seaborgium	$[\text{Rn}]5f^{14}6d^47s^2$
91	Protactinium	$[\text{Rn}]5f^26d^17s^2$	107	Bohrium	$[\text{Rn}]5f^{14}6d^57s^2$
92	Uranium	$[\text{Rn}]5f^36d^17s^2$	108	Hassium	$[\text{Rn}]5f^{14}6d^67s^2$
93	Neptunium	$[\text{Rn}]5f^46d^17s^2$	109	Meitnerium	$[\text{Rn}]5f^{14}6d^77s^2$
94	Plutonium	$[\text{Rn}]5f^67s^2$	110	Darmstadtium	$[\text{Rn}]5f^{14}6d^97s^1$
95	Americium	$[\text{Rn}]5f^77s^2$	111	Roentgenium	$[\text{Rn}]5f^{14}6d^{10}7s^1$
96	Curium	$[\text{Rn}]5f^76d^17s^2$	112	Copernium	$[\text{Rn}]5f^{14}6d^{10}7s^2$
97	Berkelium	$[\text{Rn}]5f^97s^2$	113	Nihonium	$[\text{Rn}]5f^{14}6d^{10}7s^27p^1$
98	Californium	$[\text{Rn}]5f^{10}7s^2$	114	Flerovium	$[\text{Rn}]5f^{14}6d^{10}7s^27p^2$
99	Einsteinium	$[\text{Rn}]5f^{11}7s^2$	115	Moscovium	$[\text{Rn}]5f^{14}6d^{10}7s^27p^3$
100	Fermium	$[\text{Rn}]5f^{12}7s^2$	116	Livermorium	$[\text{Rn}]5f^{14}6d^{10}7s^27p^4$
101	Mendelevium	$[\text{Rn}]5f^{13}7s^2$	117	Tennesine	$[\text{Rn}]5f^{14}6d^{10}7s^27p^5$
102	Nobelium	$[\text{Rn}]5f^{14}7s^2$	118	Oganesson	$[\text{Rn}]5f^{14}6d^{10}7s^27p^6$