

Periodic table of elements celebrating 150 years in 2019

KEY

30
Zn
[Ar]3d¹⁰4s²
Zinc

Atomic Number
Symbol
Name
Electron Configuration

PHYSICAL PROPERTIES

- Black symbol - solid.
- Red symbol - gas.
- Blue symbol - liquid.
- Outline symbol - synthetically prepared.

1 H 1s ¹ Hydrogen																	18 He 1s ² Helium
3 Li 1s ² 2s ¹ Lithium	4 Be 1s ² 2s ² Beryllium																
11 Na [Ne]3s ¹ Sodium	12 Mg [Ne]3s ² Magnesium																
19 K [Ar]4s ¹ Potassium	20 Ca [Ar]4s ² Calcium	21 Sc [Ar]3d ¹ 4s ² Scandium	22 Ti [Ar]3d ² 4s ² Titanium	23 V [Ar]3d ³ 4s ² Vanadium	24 Cr [Ar]3d ⁵ 4s ¹ Chromium	25 Mn [Ar]3d ⁵ 4s ² Manganese	26 Fe [Ar]3d ⁶ 4s ² Iron	27 Co [Ar]3d ⁷ 4s ² Cobalt	28 Ni [Ar]3d ⁸ 4s ² Nickel	29 Cu [Ar]3d ¹⁰ 4s ¹ Copper	30 Zn [Ar]3d ¹⁰ 4s ² Zinc	31 Ga [Ar]3d ¹⁰ 4s ¹ 4p ¹ Gallium	32 Ge [Ar]3d ¹⁰ 4s ² 4p ² Germanium	33 As [Ar]3d ¹⁰ 4s ² 4p ³ Arsenic	34 Se [Ar]3d ¹⁰ 4s ² 4p ⁴ Selenium	35 Br [Ar]3d ¹⁰ 4s ² 4p ⁵ Bromine	36 Kr [Ar]3d ¹⁰ 4s ² 4p ⁶ Krypton
37 Rb [Kr]5s ¹ Rubidium	38 Sr [Kr]5s ² Strontium	39 Y [Kr]4d ¹ 5s ² Yttrium	40 Zr [Kr]4d ² 5s ² Zirconium	41 Nb [Kr]4d ⁴ 5s ¹ Niobium	42 Mo [Kr]4d ⁵ 5s ¹ Molybdenum	43 Tc [Kr]4d ⁵ 5s ² Technetium	44 Ru [Kr]4d ⁷ 5s ¹ Ruthenium	45 Rh [Kr]4d ⁸ 5s ¹ Rhodium	46 Pd [Kr]4d ¹⁰ Palladium	47 Ag [Kr]4d ¹⁰ 5s ¹ Silver	48 Cd [Kr]4d ¹⁰ 5s ² Cadmium	49 In [Kr]4d ¹⁰ 5s ² 4p ¹ Indium	50 Sn [Kr]4d ¹⁰ 5s ² 4p ² Tin	51 Sb [Kr]4d ¹⁰ 5s ² 4p ³ Antimony	52 Te [Kr]4d ¹⁰ 5s ² 4p ⁴ Tellurium	53 I [Kr]4d ¹⁰ 5s ² 4p ⁵ Iodine	54 Xe [Kr]4d ¹⁰ 5s ² 4p ⁶ Xenon
55 Cs [Xe]6s ¹ Cesium	56 Ba [Xe]6s ² Barium	72 Hf [Xe]4f ¹⁴ 5d ² 6s ² Hafnium	73 Ta [Xe]4f ¹⁴ 5d ³ 6s ² Tantalum	74 W [Xe]4f ¹⁴ 5d ⁴ 6s ² Tungsten	75 Re [Xe]4f ¹⁴ 5d ⁵ 6s ² Rhenium	76 Os [Xe]4f ¹⁴ 5d ⁶ 6s ² Osmium	77 Ir [Xe]4f ¹⁴ 5d ⁷ 6s ² Iridium	78 Pt [Xe]4f ¹⁴ 5d ⁹ 6s ¹ Platinum	79 Au [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹ Gold	80 Hg [Xe]4f ¹⁴ 5d ¹⁰ 6s ² Mercury	81 Tl [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ¹ Thallium	82 Pb [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ² Lead	83 Bi [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ³ Bismuth	84 Po [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ⁴ Polonium	85 At [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ⁵ Astatine	86 Rn [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 4p ⁶ Radon	
87 Fr [Rn]7s ¹ Francium	88 Ra [Rn]7s ² Radium	104 Rf [Rn]5f ¹⁴ 6d ² 7s ² Rutherfordium	105 Db [Rn]5f ¹⁴ 6d ³ 7s ² Dubnium	106 Sg [Rn]5f ¹⁴ 6d ⁴ 7s ² Seaborgium	107 Bh [Rn]5f ¹⁴ 6d ⁵ 7s ² Bohrium	108 Hs [Rn]5f ¹⁴ 6d ⁶ 7s ² Hassium	109 Mt [Rn]5f ¹⁴ 6d ⁷ 7s ² Meitnerium	110 Ds [Rn]5f ¹⁴ 6d ⁸ 7s ¹ Darmstadtium	111 Rg [Rn]5f ¹⁴ 6d ⁹ 7s ¹ Roentgenium	112 Cn [Rn]5f ¹⁴ 6d ¹⁰ 7s ² Copernicium	113 Nh [Rn] f ¹⁴ 6d ¹⁰ 7s ² 7p ¹ (predicted) Nihonium	114 Fl [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ² (predicted) Flerovium	115 Mc [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ³ (predicted) Moscovium	116 Lv [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴ (predicted) Livermorium	117 Ts [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁵ Tennessine	118 Og [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁶ Oganesson	

57 La [Xe]5d ¹ 6s ² Lanthanum	58 Ce [Xe]4f ¹ 5d ¹ 6s ² Cerium	59 Pr [Xe]4f ³ 6s ² Praseodymium	60 Nd [Xe]4f ⁴ 6s ² Neodymium	61 Pm [Xe]4f ⁶ 6s ² Promethium	62 Sm [Xe]4f ⁶ 6s ² Samarium	63 Eu [Xe]4f ⁷ 6s ² Europium	64 Gd [Xe]4f ⁷ 5d ¹ 6s ² Gadolinium	65 Tb [Xe]4f ⁹ 6s ² Terbium	66 Dy [Xe]4f ¹⁰ 6s ² Dysprosium	67 Ho [Xe]4f ¹¹ 6s ² Holmium	68 Er [Xe]4f ¹² 6s ² Erbium	69 Tm [Xe]4f ¹³ 6s ² Thulium	70 Yb [Xe]4f ¹⁴ 6s ² Ytterbium	71 Lu [Xe]4f ¹⁴ 5d ¹ 6s ² Lutetium
89 Ac [Rn]6d ¹ 7s ² Actinium	90 Th [Rn]6d ² 7s ² Thorium	91 Pa [Rn]5f ² 6d ¹ 7s ² Protactinium	92 U [Rn]5f ³ 6d ¹ 7s ² Uranium	93 Np [Rn]5f ⁴ 6d ¹ 7s ² Neptunium	94 Pu [Rn]5f ⁶ 7s ² Plutonium	95 Am [Rn]5f ⁷ 7s ² Americium	96 Cm [Rn]5f ⁷ 6d ¹ 7s ² Curium	97 Bk [Rn]5f ⁹ 7s ² Berkelium	98 Cf [Rn]5f ¹⁰ 7s ² Californium	99 Es [Rn]5f ¹¹ 7s ² Einsteinium	100 Fd [Rn]5f ¹² 7s ² Fermium	101 Md [Rn]5f ¹³ 7s ² Mendelevium	102 No [Rn]5f ¹⁴ 7s ² Nobelium	103 Lr [Rn]5f ¹⁴ 7s ² 7p ¹ Lawrencium