

PERIODIC TABLE OF THE ELEMENTS

1 1.008 H Hydrogen																	18 4.003 He Helium
2 6.941 Li Lithium	3 9.012 Be Beryllium											13 10.811 B Boron	14 12.011 C Carbon	15 14.007 N Nitrogen	16 15.999 O Oxygen	17 18.998 F Fluorine	10 20.180 Ne Neon
11 22.99 Na Sodium	12 24.305 Mg Magnesium											5 26.982 Al Aluminium	6 28.086 Si Silicon	7 30.974 P Phosphorus	8 32.066 S Sulfur	9 35.453 Cl Chlorine	18 39.948 Ar Argon
19 39.098 K Potassium	20 40.078 Ca Calcium	21 44.956 Sc Scandium	22 47.88 Ti Titanium	23 50.942 V Vanadium	24 51.996 Cr Chromium	25 54.938 Mn Manganese	26 55.933 Fe Iron	27 58.933 Co Cobalt	28 58.693 Ni Nickel	29 63.546 Cu Copper	30 65.39 Zn Zinc	31 69.732 Ga Gallium	32 72.61 Ge Germanium	33 74.922 As Arsenic	34 78.09 Se Selenium	35 79.904 Br Bromine	36 84.80 Kr Krypton
37 84.468 Rb Rubidium	38 87.62 Sr Strontium	39 88.906 Y Yttrium	40 91.224 Zr Zirconium	41 92.906 Nb Niobium	42 95.94 Mo Molybdenum	43 98.907 Tc Technetium	44 101.07 Ru Ruthenium	45 102.906 Rh Rhodium	46 106.42 Pd Palladium	47 107.868 Ag Silver	48 112.411 Cd Cadmium	49 114.818 In Indium	50 118.71 Sn Tin	51 121.760 Sb Antimony	52 127.6 Te Tellurium	53 126.904 I Iodine	54 131.29 Xe Xenon
55 132.905 Cs Caesium	56 137.327 Ba Barium	57-71 Lanthanoids	72 178.49 Hf Hafnium	73 180.948 Ta Tantalum	74 183.85 W Tungsten	75 186.207 Re Rhenium	76 190.23 Os Osmium	77 192.22 Ir Iridium	78 195.08 Pt Platinum	79 196.967 Au Gold	80 200.59 Hg Mercury	81 204.383 Tl Thallium	82 207.2 Pb Lead	83 208.980 Bi Bismuth	84 [208.982] Po Polonium	85 209.987 At Astatine	86 222.018 Rn Radon
87 223.020 Fr Francium	88 226.025 Ra Radium	89-103 Actinoids	104 [261] Rf Rutherfordium	105 [262] Db Dubnium	106 [266] Sg Seaborgium	107 [264] Bh Bohrium	108 [269] Hs Hassium	109 [268] Mt Meitnerium	110 [269] Ds Darmstadtium	111 [272] Rg Roentgenium	112 [277] Cn Copernicium	113 [284] Nh Nihonium	114 [289] Fl Flerovium	115 [288] Mc Moscovium	116 [298] Lv Livermorium	117 [294] Ts Tennessee	118 [294] Og Oganesson

Atomic weight: [294] Atomic number: 117

Ts Symbol

Tennessee Name

Lanthanoids	57 138.906 La Lanthanum	58 140.115 Ce Cerium	59 140.908 Pr Praseodymium	60 144.24 Nd Neodymium	61 144.913 Pm Promethium	62 150.36 Sm Samarium	63 151.965 Eu Europium	64 157.25 Gd Gadolinium	65 158.925 Tb Terbium	66 162.50 Dy Dysprosium	67 164.93 Ho Holmium	68 167.26 Er Erbium	69 168.934 Tm Thulium	70 173.05 Yb Ytterbium	71 174.97 Lu Lutetium
Actinoids	89 227.028 Ac Actinium	90 Th Thorium	91 231.036 Pa Protactinium	92 238.029 U Uranium	93 237.048 Np Neptunium	94 244.064 Pu Plutonium	95 243.061 Am Americium	96 247.07 Cm Curium	97 247.07 Bk Berkelium	98 251.08 Cf Californium	99 257.083 Es Einsteinium	100 257.095 Fm Fermium	101 258.1 Md Mendelevium	102 259.1 No Nobelium	103 262.11 Lr Lawrencium

Alkali metal	Alkaline earth metal	Transition metal	Post-transition metal	Metalloid	Nonmetal	Halogen	Noble gas
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Element 117 was discovered by a US-Russia team in 2010. The name tennessee (Ts) recognizes the contributions of Oak Ridge National Laboratory (ORNL), Vanderbilt University, and the University of Tennessee, Knoxville, to superheavy element research, including the discovery of moscovium and tennessee and the production of unique actinide target materials to support the discovery of nine elements

