

## PERIODIC TABLE OF ELEMENTS

- ALKALI METALS
- ALKALINE EARTH METALS
- LANTHANOIDS
- ACTINOIDS
- TRANSITION METALS
- POST-TRANSITION METALS
- METALLOIDS
- NONMETALS
- NOBLE GASES

<b>Z</b>	Mass
<b>Symbol</b>	
State	
Name	

State at Room *T*

→ Solid

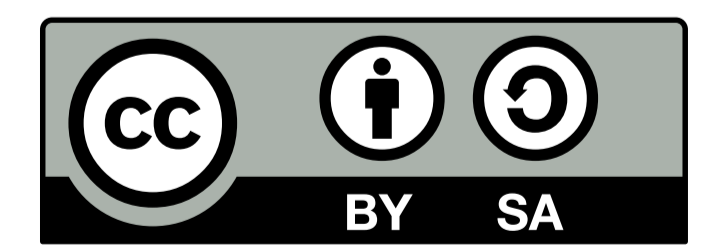
→ Liquid

→ Gas

→ Radiative

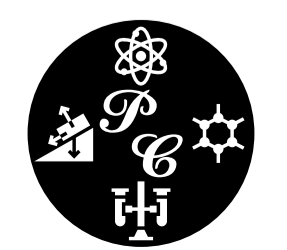
SYNTHETIC

<b>1</b>	<b>2</b>											<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
1 1.0080 <b>H</b>  Hydrogen												5 10.81 <b>B</b>  Boron	6 12.011 <b>C</b>  Carbon	7 14.007 <b>N</b>  Nitrogen	8 15.999 <b>O</b>  Oxygen	9 18.998 <b>F</b>  Fluorine	10 20.180 <b>Ne</b>  Neon
3 6.94 <b>Li</b>  Lithium	4 9.0122 <b>Be</b>  Beryllium											13 26.982 <b>Al</b>  Aluminium	14 28.085 <b>Si</b>  Silicon	15 30.974 <b>P</b>  Phosphorus	16 32.06 <b>S</b>  Sulfur	17 35.45 <b>Cl</b>  Chlorine	18 39.95 <b>Ar</b>  Argon
11 22.990 <b>Na</b>  Sodium	12 24.305 <b>Mg</b>  Magnesium											31 69.723 <b>Ga</b>  Gallium	32 72.630 <b>Ge</b>  Germanium	33 74.922 <b>As</b>  Arsenic	34 78.971 <b>Se</b>  Selenium	35 79.904 <b>Br</b>  Bromine	36 83.798 <b>Kr</b>  Krypton
19 39.098 <b>K</b>  Potassium	20 40.078 <b>Ca</b>  Calcium	21 44.956 <b>Sc</b>  Scandium	22 47.867 <b>Ti</b>  Titanium	23 50.942 <b>V</b>  Vanadium	24 51.996 <b>Cr</b>  Chromium	25 54.938 <b>Mn</b>  Manganese	26 55.845 <b>Fe</b>  Iron	27 58.933 <b>Co</b>  Cobalt	28 58.693 <b>Ni</b>  Nickel	29 63.546 <b>Cu</b>  Copper	30 65.38 <b>Zn</b>  Zinc	49 114.82 <b>In</b>  Indium	50 118.71 <b>Sn</b>  Tin	51 121.76 <b>Sb</b>  Antimony	52 127.60 <b>Te</b>  Tellurium	53 126.90 <b>I</b>  Iodine	54 131.29 <b>Xe</b>  Xenon
37 85.468 <b>Rb</b>  Rubidium	38 87.62 <b>Sr</b>  Strontium	39 88.906 <b>Y</b>  Yttrium	40 91.224 <b>Zr</b>  Zirconium	41 92.906 <b>Nb</b>  Niobium	42 95.95 <b>Mo</b>  Molybdenum	43 97 <b>Tc</b>  Technetium	44 101.07 <b>Ru</b>  Ruthenium	45 102.91 <b>Rh</b>  Rhodium	46 106.42 <b>Pd</b>  Palladium	47 107.87 <b>Ag</b>  Silver	48 112.41 <b>Cd</b>  Cadmium	81 204.38 <b>Tl</b>  Thallium	82 207.2 <b>Pb</b>  Lead	83 208.98 <b>Bi</b>  Bismuth	84 209 <b>Po</b>  Polonium	85 210 <b>At</b>  Astatine	86 222 <b>Rn</b>  Radon
55 132.91 <b>Cs</b>  Caesium	56 137.33 <b>Ba</b>  Barium	71 174.97 <b>Lu</b>  Lutetium	72 178.49 <b>Hf</b>  Hafnium	73 180.95 <b>Ta</b>  Tantalum	74 183.84 <b>W</b>  Wolfram	75 186.21 <b>Re</b>  Rhenium	76 190.23 <b>Os</b>  Osmium	77 192.22 <b>Ir</b>  Iridium	78 195.08 <b>Pt</b>  Platinum	79 196.97 <b>Au</b>  Gold	80 200.59 <b>Hg</b>  Mercury	113 286 <b>Nh</b>  Nihonium	114 290 <b>Fl</b>  Flerovium	115 290 <b>Mc</b>  Moscovium	116 293 <b>Lv</b>  Livermorium	117 294 <b>Ts</b>  Tennessine	118 294 <b>Og</b>  Oganesson
87 223 <b>Fr</b>  Francium	88 226 <b>Ra</b>  Radium	103 262 <b>Lr</b>  Lawrencium	104 267 <b>Rf</b>  Rutherfordium	105 268 <b>Db</b>  Dubnium	106 269 <b>Sg</b>  Seaborgium	107 270 <b>Bh</b>  Bohrium	108 269 <b>Hs</b>  Hassium	109 277 <b>Mt</b>  Meitnerium	110 281 <b>Ds</b>  Darmstadtium	111 282 <b>Rg</b>  Roentgenium	112 285 <b>Cn</b>  Copernicium	113 286 <b>Nh</b>  Nihonium	114 290 <b>Fl</b>  Flerovium	115 290 <b>Mc</b>  Moscovium	116 293 <b>Lv</b>  Livermorium	117 294 <b>Ts</b>  Tennessine	118 294 <b>Og</b>  Oganesson



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57 138.91 <b>La</b>  Lanthanum	58 140.12 <b>Ce</b>  Cerium	59 140.91 <b>Pr</b>  Praseodymium	60 144.24 <b>Nd</b>  Neodymium	61 145 <b>Pm</b>  Promethium	62 150.36 <b>Sm</b>  Samarium	63 151.96 <b>Eu</b>  Europium	64 157.25 <b>Gd</b>  Gadolinium	65 158.93 <b>Tb</b>  Terbium	66 162.50 <b>Dy</b>  Dysprosium	67 164.93 <b>Ho</b>  Holmium	68 167.26 <b>Er</b>  Erbium	69 168.93 <b>Tm</b>  Thulium	70 173.05 <b>Yb</b>  Ytterbium
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89 227 <b>Ac</b>  Actinium	90 232.04 <b>Th</b>  Thorium	91 231.04 <b>Pa</b>  Protactinium	92 238.03 <b>U</b>  Uranium	93 237 <b>Np</b>  Neptunium	94 244 <b>Pu</b>  Plutonium	95 243 <b>Am</b>  Americium	96 247 <b>Cm</b>  Curium	97 247 <b>Bk</b>  Berkelium	98 251 <b>Cf</b>  Californium	99 252 <b>Es</b>  Einsteinium	100 257 <b>Fm</b>  Fermium	101 258 <b>Md</b>  Mendelevium	102 259 <b>No</b>  Nobelium
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