

# Periodic Table of the Elements

**Legend**

- Alkaline Metals
- Alkaline Earths
- Transition Metals
- Rare Earths
- Other Metals
- Non-metals
- Halogens
- Noble Gases

**Legend**

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Atomic Number: 123

Atomic Weight: 122.91960

Symbol: Dt

Name: Dilithium

Shells: -32-14-2

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18																									
1 <b>H</b> Hydrogen 1																								5 <b>B</b> Boron 2-3		6 <b>C</b> Carbon 2-4		7 <b>N</b> Nitrogen 2-5		8 <b>O</b> Oxygen 2-6		9 <b>F</b> Fluorine 2-7		10 <b>Ne</b> Neon 2-8																									
3 <b>Li</b> Lithium 2-1		4 <b>Be</b> Beryllium 2-2																						13 <b>Al</b> Aluminum 2-8-3		14 <b>Si</b> Silicon 2-8-4		15 <b>P</b> Phosphorus 2-8-5		16 <b>S</b> Sulfur 2-8-6		17 <b>Cl</b> Chlorine 2-8-7		18 <b>Ar</b> Argon 2-8-8																									
11 <b>Na</b> Sodium 2-8-1		12 <b>Mg</b> Magnesium 2-8-2																						19 <b>K</b> Potassium -8-8-1		20 <b>Ca</b> Calcium -8-8-2		21 <b>Sc</b> Scandium -8-9-2		22 <b>Ti</b> Titanium -8-10-2		23 <b>V</b> Vanadium -8-11-2		24 <b>Cr</b> Chromium -8-13-1		25 <b>Mn</b> Manganese -8-13-2		26 <b>Fe</b> Iron -8-14-2		27 <b>Co</b> Cobalt -8-15-2		28 <b>Ni</b> Nickel -8-16-2		29 <b>Cu</b> Copper -8-18-1		30 <b>Zn</b> Zinc -8-18-2		31 <b>Ga</b> Gallium -8-18-3		32 <b>Ge</b> Germanium -8-18-4		33 <b>As</b> Arsenic -8-18-5		34 <b>Se</b> Selenium -8-18-6		35 <b>Br</b> Bromine -8-18-7		36 <b>Kr</b> Krypton -8-18-8	
37 <b>Rb</b> Rubidium -18-8-1		38 <b>Sr</b> Strontium -18-8-2		39 <b>Y</b> Yttrium -18-9-2		40 <b>Zr</b> Zirconium -18-10-2		41 <b>Nb</b> Niobium -18-12-2		42 <b>Mo</b> Molybdenum -18-13-1		43 <b>Tc</b> Technetium -18-13-2		44 <b>Ru</b> Ruthenium -18-15-1		45 <b>Rh</b> Rhodium -18-16-1		46 <b>Pd</b> Palladium -18-18-0		47 <b>Ag</b> Silver -18-18-1		48 <b>Cd</b> Cadmium -18-18-2		49 <b>In</b> Indium -18-18-3		50 <b>Sn</b> Tin -18-18-4		51 <b>Sb</b> Antimony -18-18-5		52 <b>Te</b> Tellurium -18-18-6		53 <b>I</b> Iodine -18-18-7		54 <b>Xe</b> Xenon -18-18-8																									
55 <b>Cs</b> Cesium -18-8-1		56 <b>Ba</b> Barium -18-8-2				72 <b>Hf</b> Hafnium -32-10-2		73 <b>Ta</b> Tantalum -32-11-2		74 <b>W</b> Tungsten -32-12-2		75 <b>Re</b> Rhenium -32-13-2		76 <b>Os</b> Osmium -32-14-2		77 <b>Ir</b> Iridium -32-15-2		78 <b>Pt</b> Platinum -32-16-2		79 <b>Au</b> Gold -32-18-1		80 <b>Hg</b> Mercury -32-18-2		81 <b>Tl</b> Thallium -32-18-3		82 <b>Pb</b> Lead -32-18-4		83 <b>Bi</b> Bismuth -32-18-5		84 <b>Po</b> Polonium -32-18-6		85 <b>At</b> Astatine -32-18-7		86 <b>Rn</b> Radon -32-18-8																									
87 <b>Fr</b> Francium -18-8-1		88 <b>Ra</b> Radium -18-8-2				104 <b>Rf</b> Rutherfordium -32-10-2		105 <b>Ha</b> Hahnium -32-11-2		106 <b>Sg</b> Seaborgium -32-12-2		107 <b>Bh</b> Bohrium -32-13-2		108 <b>Hs</b> Hassium -32-14-2		109 <b>Mt</b> Meitnerium -32-15-2		-		-		-		-		-		-		-		-		-		-																							

Note: Elements 110 through 112 have not yet been definitively named, and so no names or symbols for these newly-discovered elements are given here.

Lanthanide Series

Actinide Series

3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18	
57 <b>La</b> Lanthanum -18-9-2		58 <b>Ce</b> Cerium -19-9-2		59 <b>Pr</b> Praseodymium -21-8-2		60 <b>Nd</b> Neodymium -22-8-2		61 <b>Pm</b> Promethium -23-8-2		62 <b>Sm</b> Samarium -24-8-2		63 <b>Eu</b> Europium -25-8-2		64 <b>Gd</b> Gadolinium -25-9-2		65 <b>Tb</b> Terbium -27-8-2		66 <b>Dy</b> Dysprosium -28-8-2		67 <b>Ho</b> Holmium -29-8-2		68 <b>Er</b> Erbium -30-8-2		69 <b>Tm</b> Thulium -31-8-2		70 <b>Yb</b> Ytterbium -32-8-2		71 <b>Lu</b> Lutetium -32-9-2			
89 <b>Ac</b> Actinium -18-9-2		90 <b>Th</b> Thorium -18-10-2		91 <b>Pa</b> Protactinium -20-9-2		92 <b>U</b> Uranium -21-9-2		93 <b>Np</b> Neptunium -22-9-2		94 <b>Pu</b> Plutonium -24-8-2		95 <b>Am</b> Americium -25-8-2		96 <b>Cm</b> Curium -25-9-2		97 <b>Bk</b> Berkelium -27-8-2		98 <b>Cf</b> Californium -28-8-2		99 <b>Es</b> Einsteinium -29-8-2		100 <b>Fm</b> Fermium -30-8-2		101 <b>Md</b> Mendelevium -31-8-2		102 <b>No</b> Nobelium -32-8-2		103 <b>Lr</b> Lawrencium -32-9-2			