

Technical Information_



Periodic Chart of The Elements

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1(1A)																				18(0)															
1	H																					2	He												
1.00794 Hydrogen		2(2A)																				4.002602 Helium													
3	Li	4	Be											13(3B)		14(4B)		15(5B)		16(6B)		17(7B)		10	Ne										
(6.941) Lithium		9.012182 Beryllium												5		6		7		8		9		20.1797 Neon											
11	Na	12	Mg											13		14		15		16		17		18											
22.989770 Sodium		24.3050 Magnesium												Al		Si		P		S		Cl		Ar											
26.981538 Aluminium		28.0855 Silicon												26.981538 Aluminium		28.0855 Silicon		30.973761 Phosphorus		32.065 Sulfur		35.453 Chlorine		39.948 Argon											
19	K	20	Ca	3(3A)		4(4A)		5(5A)		6(6A)		7(7A)		8(8A)		9(8A)		10(8A)		11(1B)		12(2B)		31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr
39.0983 Potassium		40.078 Calcium		44.955910 Scandium		47.867 Titanium		50.9415 Vanadium		51.9961 Chromium		54.938049 Manganese		55.845 Iron		58.933200 Cobalt		58.6934 Nickel		63.546 Copper		65.409 Zinc		69.723 Gallium		72.64 Germanium		74.92160 Arsenic		78.96 Selenium		79.904 Bromine		83.798 Krypton	
37	Rb	38	Sr	39	Y	40	Zr	41	Nb	42	Mo	43	Tc	44	Ru	45	Rh	46	Pd	47	Ag	48	Cd	49	In	50	Sn	51	Sb	52	Te	53	I	54	Xe
85.4678 Rubidium		87.62 Strontium		88.90585 Yttrium		91.224 Zirconium		92.90638 Niobium		95.94 Molybdenum		(98) Technetium		101.07 Ruthenium		102.90550 Rhodium		106.42 Palladium		107.8682 Silver		112.411 Cadmium		114.818 Indium		118.710 Tin		121.760 Antimony		127.60 Tellurium		126.90447 Iodine		131.293 Xenon	
55	Cs	56	Ba	57-71	La-Lu	72	Hf	73	Ta	74	W	75	Re	76	Os	77	Ir	78	Pt	79	Au	80	Hg	81	Tl	82	Pb	83	Bi	84	Po	85	At	86	Rn
132.90545 Caesium		137.327 Barium				178.49 Hafnium		180.9479 Tantalum		183.84 Tungsten		186.207 Rhenium		190.23 Osmium		192.217 Iridium		195.078 Platinum		196.96655 Gold		200.59 Mercury		204.3833 Thallium		207.2 Lead		208.98038 Bismuth		(209) Polonium		(210) Astatine		(222) Radon	
87	Fr	88	Ra	89-103	Ac-Lr	104	Rf	105	Db	106	Sg	107	Bh	108	Hs	109	Mt	110	Ds	111	Uuu	112	Uub												
(223) Francium		(226) Radium				(261) Rutherfordium		(262) Dubnium		(266) Seaborgium		(264) Bohrium		(277) Hassium		(268) Meitnerium		(281) Darmstadtium		(272) Ununium		(285) Ununbium						(289) Ununquadium							

Lanthanides (란탄계열)	57	La	58	Ce	59	Pr	60	Nd	61	Pm	62	Sm	63	Eu	64	Gd	65	Tb	66	Dy	67	Ho	68	Er	69	Tm	70	Yb	71	Lu
	138.905 Lanthanum		140.116 Cerium		140.90765 Praseodymium		144.24 Neodymium		(145) Promethium		150.36 Samarium		151.964 Europium		157.25 Gadolinium		158.92534 Terbium		162.500 Dysprosium		164.93032 Holmium		167.259 Erbium		168.93421 Thulium		173.04 Ytterbium		174.967 Lutetium	
Actinides (악티늄계열)	89	Ac	90	Th	91	Pa	92	U	93	Np	94	Pu	95	Am	96	Cm	97	Bk	98	Cf	99	Es	100	Fm	101	Md	102	No	103	Lr
	(227) Actinium		232.0381 Thorium		231.03588 Protactinium		238.02891 Uranium		(237) Neptunium		(244) Plutonium		(243) Americium		(247) Curium		(247) Berkelium		(251) Californium		(252) Einsteinium		(257) Fermium		(258) Mendelevium		(259) Nobelium		(262) Lawrencium	

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(원자량) : 동위 원소 중에서 반감기가 가장 긴 원소의 원자량

알칼리금속

알카리토금속

전이금속

기타금속

비금속

☐ 비활성기체

Li 고체

Br 액체

H 기체