

PERIODIC TABLE OF THE ELEMENTS

1													13						14		15		16		17		18								
1	H											5	B	6	C	7	N	8	O	9	F	10	Ne												
1.00794	hydrogen											10.811	boron	12.011	carbon	14.0067	nitrogen	15.9994	oxygen	18.9984	fluorine	20.1797	neon												
2												13		14		15		16		17		18													
3	Li	4	Be											13	Al	14	Si	15	P	16	S	17	Cl	18	Ar										
6.941	lithium	9.01218	beryllium											26.9815	aluminum	28.0855	silicon	30.9738	phosphorus	32.066	sulfur	35.4527	chlorine	39.948	argon										
11	Na	12	Mg											31		32		33		34		35		36											
22.9898	sodium	24.305	magnesium	3	4	5	6	7	8	9	10	11	12	31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr										
39.0983	potassium	40.078	calcium	44.9559	scandium	47.88	titanium	50.9415	vanadium	51.9961	chromium	54.938	manganese	55.847	iron	58.93332	cobalt	58.69	nickel	63.546	copper	65.39	zinc	69.723	gallium	72.59	germanium	74.9216	arsenic	78.96	selenium	79.904	bromine	83.8	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	88.9059	yttrium	91.224	zirconium	92.9064	niobium	95.94	molybdenum	-98	technetium	101.07	ruthenium	102.906	rhodium	106.42	palladium	107.868	silver	112.411	cadmium	114.82	indium	118.71	tin	121.75	antimony	127.6	tellurium	126.905	iodine	131.29	xenon
55	Cs	56	Ba	57	La	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
132.905	cesium	137.327	barium	138.906	lanthanum	178.49	hafnium	180.948	tantalum	183.85	tungsten	186.207	rhenium	190.2	osmium	192.22	iridium	195.08	platinum	196.967	gold	200.59	mercury	204.383	thallium	207.2	lead	208.98	bismuth	-209	polonium	-210	astatine	-222	radon
87	Fr	88	Ra	89	Ac	104	Rf	105	Db	106	Sg	107	Bh	108	Hs	109	Mt	110	?	111	?	112	?	A : 고체 원소 A : 기체 원소 : 액체 원소 : 합성 원소											
-223	francium	226.025	radium	227.028	actinium	-261	rutherfordium	-262	dubnium	-263	seaborgium	-262	bohrium	-265	hassium	-266	meitnerium	?	?	?	?	?	?												

란 탄 계 열	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
	140.12	cerium	140.908	praseodymium	144.24	neodymium	-145	promethium	150.36	samarium	151.965	europium	157.25	gadolinium	158.925	terbium	162.5	dysprosium	164.93	holmium	167.26	erbium	168.934	thulium	173.04	ytterbium	174.967	lutetium
악 티 늄 계 열	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
	232.038	thorium	231.036	protactinium	238.029	uranium	237.048	neptunium	-244	plutonium	-243	americium	-247	curium	-247	berkelium	-251	californium	-252	einsteinium	-257	fermium	-268	mendelevium	-259	nobelium	-260	lawrencium