

PERIODIC TABLE OF THE ELEMENTS

1 A												8 B																							
1	H											2	He																						
1.008 hydrogen												4.003 helium																							
2 A												3 B		4 B		5 B		6 B		7 B															
3	Li	4	Be											5	B	6	C	7	N	8	O	9	F	10	Ne										
6.941 lithium		9.012 beryllium												10.81 boron		12.01 carbon		14.01 nitrogen		16.00 oxygen		19.00 fluorine		20.18 neon											
11	Na	12	Mg											13	Al	14	Si	15	P	16	S	17	Cl	18	Ar										
22.99 sodium		24.31 magnesium												26.98 aluminum		28.09 silicon		30.97 phosphorus		32.06 sulfur		35.45 chlorine		39.95 argon											
3 A		4 A		5 A		6 A		7 A		8		1 B		2 B		3 B		4 B		5 B		6 B		7 B		8 B									
19	K	20	Ca	21	Sc	22	Ti	23	V	24	Cr	25	Mn	26	Fe	27	Co	28	Ni	29	Cu	30	Zn	31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr
39.10 potassium		40.08 calcium		44.96 scandium		47.90 titanium		50.94 vanadium		52.00 chromium		54.94 manganese		55.85 iron		58.93 cobalt		58.70 nickel		63.55 copper		65.38 zinc		69.72 gallium		72.59 germanium		74.92 arsenic		78.96 selenium		79.90 bromine		83.80 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
85.47 rubidium		87.62 strontium		88.91 yttrium		91.22 zirconium		92.91 niobium		95.94 molybdenum		(98) technetium		101.1 ruthenium		102.9 rhodium		106.4 palladium		107.9 silver		112.4 cadmium		114.8 indium		118.7 tin		121.8 antimony		127.6 tellurium		126.9 iodine		131.3 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
132.9 cesium		137.3 barium		138.9 lanthanum		178.5 hafnium		180.9 tantalum		183.9 tungsten		186.2 rhenium		190.2 osmium		192.2 iridium		195.1 platinum		197.0 gold		200.6 mercury		204.4 thallium		207.2 lead		209.0 bismuth		(209) polonium		(210) astatine		(222) radon	
87	Fr	88	Ra	89	Ac																														
(223) francium		226.0 radium		227.0 actinium																															

A : A : A : A :

	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
	140.1 cerium		140.9 praseodymium		144.2 neodymium		(145) promethium		150.4 samarium		152.0 europium		157.3 gadolinium		158.9 terbium		162.5 dysprosium		164.9 holmium		167.3 erbium		168.9 thulium		173.0 ytterbium		175.0 lutetium	
	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	Lw
	232.0 thorium		231.0 protactinium		238.0 uranium		237.0 neptunium		(244) plutonium		(243) americium		(247) curium		(247) berkelium		(251) californium		(252) einsteinium		(257) fermium		(268) mendelevium		(259) nobelium		(260) lawrencium	

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