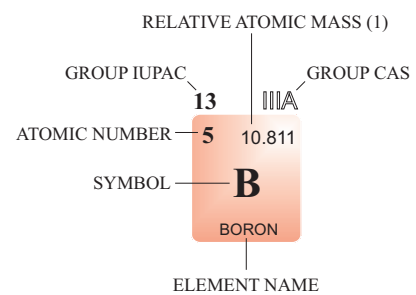


PERIODIC TABLE OF THE ELEMENTS

<http://www.periodni.com/en/>

GROUP	1	IA	2	IIA											13	IIIA	14	IVA	15	VA	16	VIA	17	VIIA	18	VIIIA										
PERIOD 1	1	1.0079																								2	4.0026									
		H																										He								
PERIOD 2	3	6.941	4	9.0122											5	10.811	6	12.011	7	14.007	8	15.999	9	18.998	10	20.180										
		Li		Be												B		C		N		O		F		Ne										
		LITHIUM		BERYLLIUM												BORON		CARBON		NITROGEN		OXYGEN		FLUORINE		NEON										
PERIOD 3	11	22.990	12	24.305											13	26.982	14	28.086	15	30.974	16	32.065	17	35.453	18	39.948										
		Na		Mg												Al		Si		P		S		Cl		Ar										
		SODIUM		MAGNESIUM												ALUMINIUM		SILICON		PHOSPHORUS		SULPHUR		CHLORINE		ARGON										
PERIOD 4	19	39.098	20	40.078	21	44.956	22	47.867	23	50.942	24	51.996	25	54.938	26	55.845	27	58.933	28	58.693	29	63.546	30	65.409	31	69.723	32	72.64	33	74.922	34	78.96	35	79.904	36	83.798
		K		Ca		Sc		Ti		V		Cr		Mn		Fe		Co		Ni		Cu		Zn		Ga		Ge		As		Se		Br		Kr
		POTASSIUM		CALCIUM		SCANDIUM		TITANIUM		VANADIUM		CHROMIUM		MANGANESE		IRON		COBALT		NICKEL		COPPER		ZINC		GALLIUM		GERMANIUM		ARSENIC		SELENIUM		BROMINE		KRYPTON
PERIOD 5	37	85.468	38	87.62	39	88.906	40	91.224	41	92.906	42	95.94	43	(98)	44	101.07	45	102.91	46	106.42	47	107.87	48	112.41	49	114.82	50	118.71	51	121.76	52	127.60	53	126.90	54	131.29
		Rb		Sr		Y		Zr		Nb		Mo		Tc		Ru		Rh		Pd		Ag		Cd		In		Sn		Sb		Te		I		Xe
		RUBIDIUM		STRONTIUM		YTTRIUM		ZIRCONIUM		NIObIUM		MOLYBDENUM		TECHNETIUM		RUTHENIUM		RHODIUM		PALLADIUM		SILVER		CADMIUM		INDIUM		TIN		ANTIMONY		TELLURIUM		IODINE		XENON
PERIOD 6	55	132.91	56	137.33	57-71	72	178.49	73	180.95	74	183.84	75	186.21	76	190.23	77	192.22	78	195.08	79	196.97	80	200.59	81	204.38	82	207.2	83	208.98	84	(209)	85	(210)	86	(222)	
		Cs		Ba		La-Lu		Hf		Ta		W		Re		Os		Ir		Pt		Au		Hg		Tl		Pb		Bi		Po		At		Rn
		CAESIUM		BARIUM		Lanthanide		HAFNIUM		TANTALUM		TUNGSTEN		RHENIUM		OSMIUM		IRIDIUM		PLATINUM		GOLD		MERCURY		THALLIUM		LEAD		BISMUTH		POLONIUM		ASTATINE		RADON
PERIOD 7	87	(223)	88	(226)	89-103	104	(267)	105	(268)	106	(271)	107	(272)	108	(277)	109	(276)	110	(281)	111	(280)															
		Fr		Ra		Ac-Lr		Rf		Db		Sg		Bh		Hs		Mt		Ds		Rg														
		FRANCIUM		RADIUM		Actinide		RUTHERFORDIUM		DUBNIUM		SEABORGIUM		BOHRIUM		HASSIUM		MEITNERIUM		DARMSTADIUM		ROENTGENIUM														



■ Metal	■ Semimetal	■ Nonmetal
■ Alkali metal	■ Chalcogens element	
■ Alkaline earth metal	■ Halogens element	
■ Transition metals	■ Noble gas	
■ Lanthanide		
■ Actinide		

STANDARD STATE (25 °C; 101 kPa)

Ne - gas **Fe** - solid
Hg - liquid **Tc** - synthetic

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LANTHANIDE																													
57	138.91	58	140.12	59	140.91	60	144.24	61	(145)	62	150.36	63	151.96	64	157.25	65	158.93	66	162.50	67	164.93	68	167.26	69	168.93	70	173.04	71	174.97
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu															
LANTHANUM	CERIUM	PRASEODYMIUM	NEODYMIUM	PROMETHIUM	SAMARIUM	EUROPIUM	GADOLINIUM	TERBIUM	DYSPROSIUM	HOLMIUM	ERBIUM	THULIUM	YTTERBIUM	LUTETIUM															
ACTINIDE																													
89	(227)	90	232.04	91	231.04	92	238.03	93	(237)	94	(244)	95	(243)	96	(247)	97	(247)	98	(251)	99	(252)	100	(257)	101	(258)	102	(259)	103	(262)
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr															
ACTINIUM	THORIUM	PROTACTINIUM	URANIUM	NEPTUNIUM	PLUTONIUM	AMERICIUM	CURIUM	BERKELIUM	CALIFORNIUM	EINSTEINIUM	FERMIUM	MENDELEVIUM	NOBELIUM	LAWRENCIUM															

(1) Pure Appl. Chem., 78, No. 11, 2051-2066 (2006)
 Relative atomic masses are expressed with five significant figures. For elements that have no stable nuclides, the value enclosed in brackets indicates the mass number of the longest-lived isotope of the element. However three such elements (Th, Pa and U) do have a characteristic terrestrial isotopic composition, and for these an atomic weight is tabulated.