

# ChemGlobe - Periodic table of elements

<http://partisans.spurious.biz/~pkremer/projects/chemglobe/ptoe/>

										18									
										0									
1																		2	
1A																		0	
1	1.01																		4.00
	H																		He
	-259 0.09																		-269 0.18
	-253 2.1																		-
2	6.94	9.01															20.18		
	Li	Be															Ne		
	181 0.53	1277 1.85															-249 0.9		
	1330 1.0	2970 1.5															-246 -		
3	22.99	24.31															39.95		
	Na	Mg															Ar		
	98 0.97	650 1.74															-189 1.78		
	892 0.9	1107 1.2															-183 -		
4	39.10	40.08	44.96	47.88	50.94	52.00	54.94	55.85	58.93	58.70	63.55	65.38	69.72	72.59	74.91	78.96	79.90	83.80	
	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
	64 0.86	838 1.55	1539 3.0	1668 4.54	1900 6.1	1875 7.19	1245 7.43	1536 7.86	1495 8.9	1453 8.9	1083 8.96	420 7.13	30 5.91	937 5.32	Subl. 5.72	217 4.79	-7 3.12	-157 3.7	
	760 0.8	1440 1.0	2730 1.3	3260 1.5	3450 1.5	2200 1.6	2097 1.5	3000 1.8	2900 1.9	2730 1.9	2595 1.9	906 1.6	2237 1.6	2830 1.8	-	685 2.4	58 2.8	-152 -	
5	85.47	87.62	88.91	91.22	92.92	95.94	(98.91)	101.07	102.91	106.42	107.87	112.41	114.82	118.69	121.75	127.60	126.90	131.29	
	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
	39 1.53	768 2.6	1509 4.47	1852 6.49	2468 8.57	2610 10.2	2140 11.5	2500 12.4	1966 12.4	1552 12.0	961 10.5	321 8.65	156 7.31	232 7.30	631 6.69	450 6.24	114 4.94	-112 5.89	
	688 0.8	1380 1.0	2927 1.2	3580 1.4	4927 1.6	5560 1.8	5030 * 1.9	3900 2.2	3730 2.2	3140 2.2	2210 1.9	765 1.7	2080 1.7	2270 1.8	1380 1.9	990 2.1	183 2.5	-108 -	
6	132.91	137.33	174.97	178.49	180.95	183.85	186.21	190.20	192.22	195.08	196.97	200.59	204.38	207.20	208.98	(209)	(210)	(222)	
	Cs	Ba	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
	29 1.90	714 3.76	1652 9.84	2222 13.31	2996 16.5	3410 19.3	3180 21.0	3050 22.6	2454 22.7	1769 21.4	1063 19.3	-38 13.6	303 11.85	327 11.4	271 9.8	254 9.3	(302) -	(-71) 9.73	
	690 0.7	1640 0.9	3327 1.2	5400 1.3	5425 1.5	5930 1.7	5900 1.9	5500 2.2	4500 2.2	3830 2.2	2970 2.4	357 1.9	1457 1.8	1725 1.9	1560 2.0	962 * 2.0	337 * 2.2	-62 * -	
7	(223.0)	226.03	(262.1)	(261.1)	(262.1)	(263.1)	(264.1)	(265.1)	(268)	(269)	(272)	(277)		(289)		(289)		(293)	
	Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub		Uuq		Uuh		Uuo	
	(27) -	700 5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	677 * 0.7	1140 * 0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Atomic number — 43 (98.91) — Atomic mass (mean relative)

Symbol — Tc

Melting point [°C] — 2140 11.5 — Density [g/cm<sup>3</sup>], for gases [g/l] (0°C, 1013mbar)

Boiling point [°C] — 5030 \* 1.9 — Electronegativity

Radioactive

6 Lanthanoids

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
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
920 6.17	795 6.67	935 6.77	1024 7.00	(1027) 7.22	1072 7.54	828 5.26	1312 7.89	1356 8.27	1407 8.54	1461 8.80	1497 9.05	1545 9.33	824 6.98
3470 1.1	3468 1.1	3127 1.1	3027 1.2	2460 * -	1790 1.2	1439 -	3000 1.1	2800 1.2	2600 -	2600 1.2	2900 1.2	1727 1.2	1196 1.1
89 (227)	90 232.04	91 231.04	92 238.03	93 (237.05)	94 (244)	95 (243)	96 (247)	97 (247)	98 (251)	99 (254)	100 (257)	101 (258)	102 (259)
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No
1050 -	10.1 11.7	1750 11.7	(1230 15.4	1132 19.07	637 19.5	640 19.81	994 13.7	(1340) 13.51	-	-	-	-	-
-	* 1.1	3850 * 1.3	- * 1.4	3818 * 1.4	3900 * 1.3	3235 * 1.3	- * 1.3	3100 * -	-	-	-	-	-

7 Actinoids

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## ChemGlobe

ChemGlobe could be called a chemistry documentation project on the web. "ChemGlobe - Periodic Table of the Elements" is part of that site. Unfortunately, that site never found enough authors willing to donate content, so it can be considered a dead project right now.

## Thank you

This printable "ChemGlobe - Periodic Table of the Elements" file is based on the original work of Nick Donati. He gave the source file as a present to the ChemGlobe website. The file was then modified and adjusted to the layout and content of the ChemGlobe website. Nick Donati can be reached by visiting his website at <http://ohmu.ch/>.

Many mistakes on this file have been corrected in the meantime, thanks to error reports.

Thank you very much!

## Updates

For updates to this printable version of the periodic table, visit <http://partisans.spurious.biz/~pkremer/projects/chemglobe/ptoe/>. This file dates June 16<sup>th</sup> 2005.

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