

# ChemGlobe - Periodic table of elements

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1																		18																
1A																		0																
1	2																	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	H																	5	B	6	C	7	N	8	O	9	F	10	Ne					
2	Li	2A	Be																	13	B	14	C	15	N	16	O	17	F	18	Ne			
3	Na	Mg																	31	Al	32	Si	33	P	34	S	35	Cl	36	Ar				
4	K	Ca	3A	Sc	4A	Ti	5A	V	6A	Cr	7A	Mn	8	Fe	8	Co	10	Ni	11	Cu	12	Zn	31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																
6	Cs	Ba	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																
7	Fr	Ra	Lr	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uuq	Uuh	Uuo																			

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

Electron configuration: [Kr] 4d<sup>5</sup> 5s<sup>2</sup> Oxidation states

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
[Xe] 5d <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>		[Xe] 4f <sup>6</sup> 6s <sup>2</sup>	
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

7 Actinoids

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)
[Rn] 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>		[Rn] 5f <sup>6</sup> 6d <sup>7</sup> 7s <sup>2</sup>	
1050	10.1	11750	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	*	*	*	*	*	*	*	*	*	*	*	*	

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## ChemGlobe

ChemGlobe could be called a chemistry documentation project on the WW. "ChemGlobe - Periodic Table of the Elements" is part of that site. It can be found at <http://chemglobe.tsx.org>.

## 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://blossom.tsx.org>.

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://periodictable.tsx.org>. This file dates April 15<sup>th</sup> 2000.

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