Periodic Table displaying valence number proportions for the elements

Group→	G17	G16	← G15 →															
IUPAC→	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Scale/%	0	0.01	10	20	30	40	50	60	70	80	90	100

Valence number data from Chemdex
https://winter.group.shef.ac.uk/chemdex/
Data version March 2024

VN	H	He
0	0	100
1	100	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0

VN	Li	Be	B	C	N	O	F	Ne
0	0	0	0	0.02	0	1	0	100
1	100	0	0.4	0	0.2	0	88	0
2	0	100	0	0.2	0	38	0	0
3	0	0	100	0.01	19	0	9	0
4	0	0	0	100	0	58	0	0
5	0	0	0	0	81	0	1	0
6	0	0	0	0	0	4	0	0
7	0	0	0	0	0	0	2	0
8	0	0	0	0	0	0	0	0

VN	Na	Mg	Al	Si	P	S	Cl	Ar
0	0	0	0	0	0	0.2	0	100
1	100	0	0	0	0.2	0	88	0
2	0	100	0	0.6	0	47	0	0
3	0	0	100	0	5	0	10	0
4	0	0	0	99	0	44	0.02	0
5	0	0	0	0	95	0	1	0
6	0	0	0	0	0	10	0	0
7	0	0	0	0	0	0	0.6	0
8	0	0	0	0	0	0	0	0

VN	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
0	0	0	0	2	2	18	0.4	13	0.6	11	0	0	0	0	0	4	0	33
1	100	0	0	0	7	1	33	0.5	18	2	46	0	1	0	0.8	0	86	0
2	0	100	0.6	8	12	18	39	56	31	80	49	100	0	16	0	63	0	67
3	0	0	99	25	26	37	19	22	47	4	4	0	99	0	25	0	12	0
4	0	0	0	65	30	10	3	7	1	4	0.2	0	0	84	0	28	0	0
5	0	0	0	0	24	5	4	0.8	2	0	0	0	0	0	75	0	2	0
6	0	0	0	0	0	12	0.4	1	0	0	0	0	0	0	0	5	0	0
7	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0.2	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

VN	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
0	0	0	0	0.5	0.6	13	0	4	0	4	0	0	0	0	0	2	0	2
1	100	0	0	0	7	0.5	25	0	40	0.2	84	0	5	0	0	0	79	0
2	0	100	0.4	8	2	21	7	60	1	91	9	100	0	20	0	44	0	50
3	0	0	100	6	16	9	17	9	55	1	7	0	95	0	44	0	18	0
4	0	0	0	86	14	25	10	13	2	4	0.4	0	0	80	0	42	0	14
5	0	0	0	0	61	6	28	0.5	2	0.2	0	0	0	0	56	0	3	0
6	0	0	0	0	0	26	5	14	0	0	0	0	0	0	0	12	0	32
7	0	0	0	0	0	0	8	0.2	0	0	0	0	0	0	0	0	1	0
8	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	2

VN	Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0.4	0	0	0	17	0	3	0	6	0	0.3	0	0	0	0		100
1	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	23	0	25	0	64	0	25	0	0	0		0
2	0	100	3	3	3	3	0	23	27	4	3	2	3	1	18	32	0	6	2	18	2	36	1	72	0.8	100	0	58	0	4		0
3	0	0	97	71	95	97	100	77	73	96	93	98	97	99	82	68	100	3	14	3	16	10	67	1	35	0	76	0	73	0		0
4	0	0	1	27	2	0.5	0	0	0	0	5	0	0	0	0	0	0	92	12	22	9	24	2	20	0.2	0	0	42	0	13		0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	5	30	2	4	0.8	0.4	0	0	0	27	0		0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	4	22	0.2	0.4	0	0	0	0	0	83		0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0.6	0.6	0	0	0	0	0	0	0		0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0		0

VN	Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og
0		0	0	0	0	0	0	0	0	0	0	0	0																			
1		0	0	0	0	0	0	0	0	0	0	0	0																			
2		100	25	3	6	1	5	6	10	6	8	11	0																			
3		0	75	10	18	18	18	38	67	85	77	83	100																			
4		0	0	87	35	44	32	28	6	9	15	6	0																			
5		0	0	0	41	6	24	4	6	0	0	0	0																			
6		0	0	0	0	31	18	23	10	0	0	0	0																			
7		0	0	0	0	0	4	2	0	0	0	0	0																			
8		0	0	0	0	0	0	0	0	0	0	0	0																			