

Electronegativity Chart

1	1																	18			
1	H																	He			
2	2.20	2														0					
3	3	4														5	6	7	8	9	10
2	Li	Be														B	C	N	O	F	Ne
3	0.98	1.57														2.04	2.55	3.04	3.44	3.98	0
4	11	12														13	14	15	16	17	18
3	Na	Mg														Al	Si	P	S	Cl	Ar
4	0.93	1.31	3	4	5	6	7	8	9	10	11	12	1.50	1.80	2.19	2.58	3.16	0			
5	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr			
5	0.82	1.00	1.36	1.54	1.63	1.66	1.55	1.83	1.88	1.91	1.90	1.65	1.81	2.01	2.18	2.55	2.96	0			
6	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54			
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe			
6	0.82	0.95	1.22	1.33	1.6	2.16	1.9	2.2	2.28	2.20	1.93	1.69	1.78	1.96	2.05	2.1	2.66	0			
7	55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86			
6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn			
7	0.79	0.89	1.10	1.3	1.5	2.36	1.9	2.2	2.20	2.28	2.54	2.00	2.04	2.33	2.02	2.0	2.2	0			
8	87	88	89	104	105	106	107	108	109	110	111										
7	Fr	Ra	Ac	Rf	Ha	Sg	Ns	Hs	Mt	Unn	Unu										
8	0.7	0.9	1.1	--	--	--	--	--	--	--	--										

Differences

0.0-0.4...

0.5-1.7...

Greater than 1.8...

Covalent

Polar Covalent

Ionic

Electronegativity Difference

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
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Lanthanide Series

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
1.12	1.13	1.14	1.13	1.17	1.2	1.20	1.2	1.22	1.23	1.24	1.25	1.1	1.27

Actinide Series

90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
1.3	1.5	1.38	1.36	1.28	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	--