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Key to Energy Values



Table of X-Ray Energy Reference values for elements H (1) to Rn (86), including Lanthanides (57-71) and Actinides (89-103). Values are provided in keV for various shells (K, L).

Source Selection Key

Infiniton™ K shell range Ti(22) to Dy(66) L shell range Ho(67) to U(92) Half life: 432.2 years

Infiniton™ - Alloy and PMA modes only

XIt™ K shell range Al(13) to Xe(54) L shell range La(57) to U(92)

XIt™ Light Matrix and/or Application-Specific Only

See other side for additional sources: 109Cd, 55Fe and 241Am

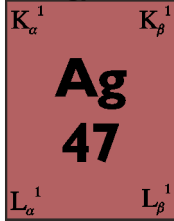


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Key to Energy Values



### X-Ray Energy Reference

H 1																	He 2				
Li 3	Be 4															B 5	C 6	N 7	O 8	F 9	Ne 10
Na 11	Mg 12															Al 13	Si 14	P 15	S 16	Cl 17	Ar 18
K 19	Ca 20	Sc 21	Ti 22	V 23	Cr 24	Mn 25	Fe 26	Co 27	Ni 28	Cu 29	Zn 30	Ga 31	Ge 32	As 33	Se 34	Br 35	Kr 36				
Rb 37	Sr 38	Y 39	Zr 40	Nb 41	Mo 42	Tc 43	Ru 44	Rh 45	Pd 46	Ag 47	Cd 48	In 49	Sn 50	Sb 51	Te 52	I 53	Xe 54				
Cs 55	Ba 56	57-71	Hf 72	Ta 73	W 74	Re 75	Os 76	Ir 77	Pt 78	Au 79	Hg 80	Tl 81	Pb 82	Bi 83	Po 84	At 85	Rn 86				
Fr 87	Ra 88	89-103																			
Lanthanides 57 - 71	La 57	Ce 58	Pr 59	Nd 60	Pm 61	Sm 62	Eu 63	Gd 64	Tb 65	Dy 66	Ho 67	Er 68	Tm 69	Yb 70	Lu 71						
Actinides 89 - 103	Ac 89	Th 90	Pa 91	U 92	Np 93	Pu 94	Am 95	Cm 96	Bk 97	Cf 98	Es 99	Fm 100	Md 101	No 102	Lr 103						

### Source Selection Key



<sup>109</sup>Cd

K shell range Ti(22) to Ru(44) Half life: 1.27 years  
L shell range Ho(67) to U(92)



<sup>55</sup>Fe

K shell range Cl(17) to Cr(24) Half life: 2.73 years



<sup>241</sup>Am

K shell range Rh(45) to Dy(66) Half life: 432.2 years

See other side for additional sources: Infiniton™ and XLt™