

IUPAC Recommended Isotopic Abundances

P. De Bièvre and P.D.P. Taylor, *Int. J. Mass Spectrom. Ion Phys.* **123**, 149 (1993).

Isotope	Abundance	Isotope	Abundance	Isotope	Abundance	Isotope	Abundance	Isotope	Abundance
¹ H	99.985 ¹	⁵⁴ Fe	5.8 ¹	⁹⁶ Ru	5.52 ⁶	¹³⁶ Ce	0.19 ¹	¹⁸⁰ W	0.13 ⁴
² H	0.015 ¹	⁵⁶ Fe	91.72 ³⁰	⁹⁸ Ru	1.88 ⁶	¹³⁸ Ce	0.25 ¹	¹⁸² W	26.3 ²
³ He	0.000137 ³	⁵⁷ Fe	2.2 ¹	⁹⁹ Ru	12.7 ¹	¹⁴⁰ Ce	88.48 ¹⁰	¹⁸³ W	14.3 ¹
⁴ He	99.999863 ³	⁵⁸ Fe	0.28 ¹	¹⁰⁰ Ru	12.6 ¹	¹⁴² Ce	11.08 ¹⁰	¹⁸⁴ W	30.67 ¹⁵
⁶ Li	7.5 ²	⁵⁵ Mn	100	¹⁰¹ Ru	17.0 ¹	¹³⁸ La	0.0902 ²	¹⁸⁶ W	28.6 ²
⁷ Li	92.5 ²	⁵⁸ Ni	68.077 ⁹	¹⁰² Ru	31.6 ²	¹³⁹ La	99.9098 ²	¹⁸⁴ Os	0.02 ¹
⁹ Be	100	⁶⁰ Ni	26.223 ⁸	¹⁰⁴ Ru	18.7 ²	¹⁴¹ Pr	100	¹⁸⁶ Os	1.58 ³⁰
¹⁰ B	19.9 ²	⁶¹ Ni	1.140 ¹	¹⁰² Pd	1.02 ¹	¹⁴² Nd	27.13 ¹²	¹⁸⁷ Os	1.6 ³
¹¹ B	80.1 ²	⁶² Ni	3.634 ²	¹⁰⁴ Pd	11.14 ⁸	¹⁴³ Nd	12.18 ⁶	¹⁸⁸ Os	13.3 ⁷
¹² C	98.90 ³	⁶⁴ Ni	0.926 ¹	¹⁰⁵ Pd	22.33 ⁸	¹⁴⁴ Nd	23.80 ¹²	¹⁸⁹ Os	16.1 ⁸
¹³ C	1.10 ³	⁵⁹ Co	100	¹⁰⁶ Pd	27.33 ³	¹⁴⁵ Nd	8.30 ⁶	¹⁹⁰ Os	26.4 ¹²
¹⁴ N	99.634 ⁹	⁶³ Cu	69.17 ³	¹⁰⁸ Pd	26.46 ⁹	¹⁴⁶ Nd	17.19 ⁹	¹⁹² Os	41.0 ⁸
¹⁵ N	0.366 ⁹	⁶⁵ Cu	30.83 ³	¹¹⁰ Pd	11.72 ⁹	¹⁴⁸ Nd	5.76 ³	¹⁸⁵ Re	37.40 ²
¹⁶ O	99.762 ¹⁵	⁶⁴ Zn	48.6 ³	¹⁰³ Rh	100	¹⁵⁰ Nd	5.64 ³	¹⁸⁷ Re	62.60 ²
¹⁷ O	0.038 ³	⁶⁶ Zn	27.9 ²	¹⁰⁶ Cd	1.25 ⁴	¹⁴⁴ Sm	3.1 ¹	¹⁹⁰ Pt	0.01 ¹
¹⁸ O	0.200 ¹²	⁶⁷ Zn	4.1 ¹	¹⁰⁸ Cd	0.89 ²	¹⁴⁷ Sm	15.0 ²	¹⁹² Pt	0.79 ⁶
¹⁹ F	100	⁶⁸ Zn	18.8 ⁴	¹¹⁰ Cd	12.49 ¹²	¹⁴⁸ Sm	11.3 ¹	¹⁹⁴ Pt	32.9 ⁶
²⁰ Ne	90.48 ³	⁷⁰ Zn	0.6 ¹	¹¹¹ Cd	12.80 ⁸	¹⁴⁹ Sm	13.8 ¹	¹⁹⁵ Pt	33.8 ⁶
²¹ Ne	0.27 ¹	⁶⁹ Ga	60.108 ⁹	¹¹² Cd	24.13 ¹⁴	¹⁵⁰ Sm	7.4 ¹	¹⁹⁶ Pt	25.3 ⁶
²² Ne	9.25 ³	⁷¹ Ga	39.892 ⁹	¹¹³ Cd	12.22 ⁸	¹⁵² Sm	26.7 ²	¹⁹⁸ Pt	7.2 ²
²³ Na	100	⁷⁰ Ge	21.23 ⁴	¹¹⁴ Cd	28.73 ²⁸	¹⁵⁴ Sm	22.7 ²	¹⁹¹ Ir	37.3 ⁵
²⁴ Mg	78.99 ³	⁷² Ge	27.66 ³	¹¹⁶ Cd	7.49 ¹²	¹⁵¹ Eu	47.8 ¹⁵	¹⁹³ Ir	62.7 ⁵
²⁵ Mg	10.00 ¹	⁷³ Ge	7.73 ¹	¹⁰⁷ Ag	51.839 ⁷	¹⁵³ Eu	52.2 ¹⁵	¹⁹⁶ Hg	0.15 ¹
²⁶ Mg	11.01 ²	⁷⁴ Ge	35.94 ²	¹⁰⁹ Ag	48.161 ⁷	¹⁵² Gd	0.20 ¹	¹⁹⁸ Hg	9.97 ⁸
²⁷ Al	100	⁷⁶ Ge	7.44 ²	¹¹² Sn	0.97 ¹	¹⁵⁴ Gd	2.18 ³	¹⁹⁹ Hg	16.87 ¹⁰
²⁸ Si	92.23 ¹	⁷⁴ Se	0.89 ²	¹¹⁴ Sn	0.65 ¹	¹⁵⁵ Gd	14.80 ⁵	²⁰⁰ Hg	23.10 ¹⁶
²⁹ Si	4.67 ¹	⁷⁶ Se	9.36 ¹¹	¹¹⁵ Sn	0.34 ¹	¹⁵⁶ Gd	20.47 ⁴	²⁰¹ Hg	13.18 ⁸
³⁰ Si	3.10 ¹	⁷⁷ Se	7.63 ⁶	¹¹⁶ Sn	14.53 ¹	¹⁵⁷ Gd	15.65 ³	²⁰² Hg	29.86 ²⁰
³¹ P	100	⁷⁸ Se	23.78 ⁹	¹¹⁷ Sn	7.68 ⁷	¹⁵⁸ Gd	24.84 ¹²	²⁰⁴ Hg	6.87 ⁴
³² S	95.02 ⁹	⁸⁰ Se	49.61 ¹⁰	¹¹⁸ Sn	24.23 ¹¹	¹⁶⁰ Gd	21.86 ⁴	¹⁹⁷ Au	100
³³ S	0.75 ⁴	⁸² Se	8.73 ⁶	¹¹⁹ Sn	8.59 ⁴	¹⁵⁶ Dy	0.06 ¹	²⁰³ Tl	29.524 ¹⁴
³⁴ S	4.21 ⁸	⁷⁵ As	100	¹²⁰ Sn	32.59 ¹⁰	¹⁵⁸ Dy	0.10 ¹	²⁰⁵ Tl	70.476 ¹⁴
³⁶ S	0.02 ¹	⁷⁸ Kr	0.35 ²	¹²² Sn	4.63 ³	¹⁶⁰ Dy	2.34 ⁶	²⁰⁴ Pb	1.4 ¹
³⁵ Cl	75.77 ⁷	⁸⁰ Kr	2.25 ²	¹²⁴ Sn	5.79 ⁵	¹⁶¹ Dy	18.9 ²	²⁰⁶ Pb	24.1 ¹
³⁷ Cl	24.23 ⁷	⁸² Kr	11.6 ¹	¹¹³ In	4.3 ²	¹⁶² Dy	25.5 ²	²⁰⁷ Pb	22.1 ¹
³⁶ Ar	0.337 ³	⁸³ Kr	11.5 ¹	¹¹⁵ In	95.7 ²	¹⁶³ Dy	24.9 ²	²⁰⁸ Pb	52.4 ¹
³⁸ Ar	0.063 ¹	⁸⁴ Kr	57.0 ³	¹²⁰ Te	0.096 ²	¹⁶⁴ Dy	28.2 ²	²⁰⁹ Bi	100
⁴⁰ Ar	99.600 ³	⁸⁶ Kr	17.3 ²	¹²² Te	2.603 ⁴	¹⁵⁹ Tb	100	²³² Th	100
³⁹ K	93.2581 ⁴⁴	⁷⁹ Br	50.69 ⁷	¹²⁴ Te	4.816 ⁶	¹⁶² Er	0.14 ¹	²³⁴ U	0.0055 ⁵
⁴⁰ K	0.0117 ¹	⁸¹ Br	49.31 ⁷	¹²⁵ Te	7.139 ⁶	¹⁶⁴ Er	1.61 ²	²³⁵ U	0.7200 ¹²
⁴¹ K	6.7302 ⁴⁴	⁸⁴ Sr	0.56 ¹	¹²⁶ Te	18.95 ¹	¹⁶⁶ Er	33.6 ²	²³⁸ U	99.2745 ⁶⁰
⁴⁰ Ca	96.941 ¹⁸	⁸⁶ Sr	9.86 ¹	¹²⁸ Te	31.69 ¹	¹⁶⁷ Er	22.95 ¹⁵		
⁴² Ca	0.647 ⁹	⁸⁷ Sr	7.00 ¹	¹³⁰ Te	33.80 ¹	¹⁶⁸ Er	26.8 ²		
⁴³ Ca	0.135 ⁶	⁸⁸ Sr	82.58 ¹	¹²¹ Sb	57.36 ⁸	¹⁷⁰ Er	14.9 ²		
⁴⁴ Ca	2.086 ¹²	⁸⁵ Rb	72.165 ²⁰	¹²³ Sb	42.64 ⁸	¹⁶⁵ Ho	100		
⁴⁶ Ca	0.004 ³	⁸⁷ Rb	27.835 ²⁰	¹²⁴ Xe	0.10 ¹	¹⁶⁸ Yb	0.13 ¹		
⁴⁸ Ca	0.187 ⁴	⁸⁹ Y	100	¹²⁶ Xe	0.09 ¹	¹⁷⁰ Yb	3.05 ⁶		
⁴⁵ Sc	100	⁹⁰ Zr	51.45 ³	¹²⁸ Xe	1.91 ³	¹⁷¹ Yb	14.3 ²		
⁴⁶ Ti	8.0 ¹	⁹¹ Zr	11.22 ⁴	¹²⁹ Xe	26.4 ⁶	¹⁷² Yb	21.9 ³		
⁴⁷ Ti	7.3 ¹	⁹² Zr	17.15 ²	¹³⁰ Xe	4.1 ¹	¹⁷³ Yb	16.12 ²¹		
⁴⁸ Ti	73.8 ¹	⁹⁴ Zr	17.38 ⁴	¹³¹ Xe	21.2 ⁴	¹⁷⁴ Yb	31.8 ⁴		
⁴⁹ Ti	5.5 ¹	⁹⁶ Zr	2.80 ²	¹³² Xe	26.9 ⁵	¹⁷⁶ Yb	12.7 ²		
⁵⁰ Ti	5.4 ¹	⁹² Mo	14.84 ⁴	¹³⁴ Xe	10.4 ²	¹⁶⁹ Tm	100		
⁵⁰ V	0.250 ²	⁹⁴ Mo	9.25 ³	¹³⁶ Xe	8.9 ¹	¹⁷⁴ Hf	0.162 ³		
⁵¹ V	99.750 ²	⁹⁵ Mo	15.92 ⁵	¹²⁷ I	100	¹⁷⁶ Hf	5.206 ⁵		
⁵⁰ Cr	4.345 ¹³	⁹⁶ Mo	16.68 ⁵	¹³⁰ Ba	0.106 ²	¹⁷⁷ Hf	18.606 ⁴		
⁵² Cr	83.789 ¹⁸	⁹⁷ Mo	9.55 ³	¹³² Ba	0.101 ²	¹⁷⁸ Hf	27.297 ⁴		
⁵³ Cr	9.501 ¹⁷	⁹⁸ Mo	24.13 ⁷	¹³⁴ Ba	2.417 ²⁷	¹⁷⁹ Hf	13.629 ⁶		
⁵⁴ Cr	2.365 ⁷	¹⁰⁰ Mo	9.63 ³	¹³⁵ Ba	6.592 ¹⁸	¹⁸⁰ Hf	35.100 ⁷		
		⁹³ Nb	100	¹³⁶ Ba	7.854 ³⁶	¹⁷⁵ Lu	97.41 ²		
				¹³⁷ Ba	11.23 ⁴	¹⁷⁶ Lu	2.59 ²		
				¹³⁸ Ba	71.70 ⁷	¹⁸⁰ Ta	0.012 ²		
				¹³³ Cs	100	¹⁸¹ Ta	99.988 ²		