

**Table of Atomic Masses for Common Isotopes**

isotope	element	mass	abundance (%)
1	H	1.007825037	99.985
2	H	2.014101787	0.015
3	He	3.016029297	0.00014
4	He	4.00260325	99.99986
6	Li	6.0151232	7.5
7	Li	7.0160045	92.5
9	Be	9.0121825	100
10	B	10.012938	19.9
11	B	11.0093053	80.1
12	C	12.000000	98.9
13	C	13.00335484	1.1
14	N	14.00307401	99.634
15	N	15.00010898	0.366
16	O	15.99491464	99.762
17	O	16.9991306	0.038
18	O	17.99915939	0.2
19	F	18.99840325	100
20	Ne	19.9924391	90.51
21	Ne	20.9938453	0.27
22	Ne	21.9913837	9.22
23	Na	22.9897697	100
24	Mg	23.985045	78.99
25	Mg	24.9858392	10
26	Mg	25.9825954	11.01
27	Al	26.9815413	100
28	Si	27.9769284	92.23
29	Si	28.9764964	4.67
30	Si	29.9737717	3.1
31	P	30.9737634	100
32	S	31.9720718	95.02
33	S	32.9714591	0.75
34	S	33.96786774	4.21
36	S	35.967079	0.02
35	Cl	34.96885273	75.77
37	Cl	36.96590262	24.23

36	Ar	35.96754561	0.337
38	Ar	37.9627322	0.063
40	Ar	39.9623831	99.6
39	K	38.9637079	93.2581
40	K	39.9639988	0.0117
41	K	40.9618254	6.7302
40	Ca	39.9625907	96.941
42	Ca	41.9586218	0.647
43	Ca	42.9587704	0.135
44	Ca	43.9554848	2.086
46	Ca	45.963689	0.004
48	Ca	47.952532	0.187
45	Sc	44.9559136	100
46	Ti	45.9526327	8
47	Ti	46.9517649	7.3
48	Ti	47.9479467	73.8
49	Ti	48.9478705	5.5
50	Ti]	49.9447858	5.4
50	V	49.9471613	0.25
51	V	50.9439625	99.75
50	Cr	49.9460463	4.35
52	Cr	51.9405097	83.79
53	Cr	52.940651	9.5
54	Cr	53.9388822	2.36
55	Mn	54.9380463	100
54	Fe	53.9396121	5.8
56	Fe	55.9349393	91.72
57	Fe	56.9353957	2.2
58	Fe	57.9332778	0.28
59	Co	58.93319778	100
58	Ni	57.9353471	68.27
60	Ni	59.930789	26.1
61	Ni	60.9310586	1.13
62	Ni	61.9283464	3.59
64	Ni	63.927968	0.91
63	Cu	66.9295992	69.17
65	Cu	64.9277924	30.83

64	Zn	63.9291454	48.6
66	Zn	65.9260352	27.9
67	Zn	66.9271289	4.1
68	Zn	67.9248458	18.8
70	Zn	69.9253249	0.6
69	Ga	68.9255809	60.1
71	Ga	70.9247006	39.9
70	Ge	69.9242498	20.5
72	Ge	71.92208	27.4
73	Ge	72.9234639	7.8
74	Ge	73.9211788	36.5
76	Ge	75.9214027	7.8
75	As	74.9215955	100
74	Se	73.9224771	0.9
76	Se	75.9192066	9
77	Se	76.9199077	7.6
78	Se	77.917304	23.5
80	Se	79.9165205	49.6
82	Se	81.916709	9.4
79	Br	78.9183361	50.69
81	Br	80.91629	49.31
78	Kr	77.920397	0.35
80	Kr	79.916375	2.25
82	Kr	81.913483	11.6
83	Kr	82.914134	11.5
84	Kr	83.9115064	57
86	Kr	85.910614	17.3
85	Rb	84.9117996	72.165
87	Rb	86.9091836	27.835
84	Sr	83.913428	0.56
86	Sr	85.9092732	9.86
87	Sr	86.9088902	7
88	Sr	87.9056249	82.58
89	Y	88.905856	100
90	Zr	89.904708	51.45
91	Zr	90.9056442	11.27
92	Zr	91.9050392	17.17
94	Zr	93.9063191	17.33
96	Zr	95.908272	2.78
93	Nb	92.906378	100

92	Mo	91.906809	14.84
94	Mo	93.9050862	9.25
95	Mo	94.9058379	15.92
96	Mo	95.9046755	16.68
97	Mo	96.9060179	9.55
98	Mo	97.905405	24.13
100	Mo	99.907473	9.83
96	Ru	95.907596	5.52
98	Ru	97.905287	1.88
99	Ru	98.9059371	12.7
100	Ru	99.9042175	12.6
101	Ru	100.9055808	17
102	Ru	101.9043475	31.6
104	Ru	103.905422	18.7
103	Ru	102.905503	100
102	Pd	101.905609	1.02
104	Pd	103.904026	11.14
105	Pd	104.905075	22.33
106	Pd	105.903475	27.33
108	Pd	107.903894	26.46
110	Pd	109.905169	11.72
107	Ag	106.905095	51.839
109	Ag	108.904754	48.262
106	Cd	105.906461	1.25
108	Cd	107.904186	0.89
110	Cd	109.903007	12.49
111	Cd	110.904182	12.8
112	Cd	111.9027614	24.13
113	Cd	112.9044013	12.22
114	Cd	113.9033607	28.73
116	Cd	114.904758	7.49

isotope	element	mass	abundance (%)
113	In	112.904056	4.3
115	In	114.903875	95.7
112	Sn	111.904823	1
114	Sn	113.902781	0.7
115	Sn	114.9033441	0.4
116	Sn	114.9017435	14.7

117	Sn	116.9029536	7.7
118	Sn	117.9016066	24.3
119	Sn	118.9033102	8.6
120	Sn	119.902199	32.4
122	Sn	121.90344	4.6
124	Sn	123.905271	5.6
121	Sb	120.9038237	57.3
123	Sb	122.904222	42.7
120	Te	119.904021	0.096
122	Te	121.903055	2.6
123	Te	122.904278	0.908
124	Te	123.902825	4.816
125	Te	124.904435	7.14
126	Te	125.90331	18.95
128	Te	127.904464	31.69
130	Te	129.906229	33.8
127	I	126.904477	100
124	Xe	123.90612	0.1
126	Xe	125.904281	0.09
128	Xe	127.9035308	1.91
129	Xe	128.9047801	26.4
130	Xe	129.9035095	4.1
131	Xe	130.905076	21.1
132	Xe	131.904148	26.9
134	Xe	133.905395	10.4
136	Xe	135.907219	8.9
133	Cs	132.905433	100
130	Ba	129.906277	0.106
132	Ba	131.905042	0.101
134	Ba	133.90449	2.417
135	Ba	134.905668	6.592
136	Ba	135.904556	7.854
137	Ba	136.905816	11.23
138	Ba	137.905236	71.7
138	La	137.907114	0.09
139	La	138.906355	99.91
136	Ce	135.90714	0.19
138	Ce	137.905996	0.25
140	Ce	139.905442	88.48
142	Ce	141.909249	11.08

141	Pr	140.907657	100
142	Nd	141.907731	27.13
143	Nd	142.909823	12.18
144	Nd	143.910096	23.8
145	Nd	144.912582	8.3
146	Nd	145.913126	17.19
148	Nd	147.916901	5.76
150	Nd	149.9209	5.64
144	Sm	143.912009	3.1
147	Sm	146.914907	15
148	Sm	147.914832	11.3
149	Sm	148.917193	13.8
150	Sm	149.917285	7.4
152	Sm	151.919741	26.7
154	Sm	153.922218	22.7
151	Eu	150.91986	47.8
153	Eu	152.921243	52.5
152	Gd	151.919803	0.2
154	Gd	153.920876	2.18
155	Gd	154.922629	14.8
156	Gd	155.92213	20.47
157	Gd	156.923967	15.65
158	Gd	157.924111	24.84
160	Gd	159.927061	21.86
159	Tb	158.92535	100
156	Dy	155.924287	0.06
158	Dy	157.924412	0.1
160	Dy	159.925203	2.34
161	Dy	160.926939	18.9
162	Dy	161.926805	25.5
163	Dy	162.928737	24.9
164	Dy	163.929183	28.2
165	Ho	164.930332	100
162	Er	161.928787	0.14
164	Er	163.929211	1.61
166	Er	165.930305	33.6
167	Er	166.932061	22.95
168	Er	167.932383	26.8
170	Er	169.935476	14.9
169	Tm	168.934225	100

168	Yb	167.933908	0.13
170	Yb	169.934774	3.05
171	Yb	170.936338	14.3
172	Yb	171.936393	21.9
173	Yb	172.938222	16.12
174	Yb	173.938873	31.8
176	Yb	175.942576	12.7
175	Lu	174.940785	97.4
176	Lu	175.942694	2.6
174	Hf	173.940065	0.16
176	Hf	175.94142	5.2
177	Hf	176.943233	18.6
178	Hf	177.94371	27.1
179	Hf	178.945827	13.74
180	Hf	179.946561	35.2
180	Ta	179.947489	0.012
181	Ta	180.948014	99.988
180	W	179.946727	0.13
182	W	181.948225	26.3
183	W	182.950245	14.3
184	W	183.950953	30.67
186	W	185.954377	23.6
185	Re	184.952977	37.4
187	Re	186.955765	62.6
184	Os	183.952514	0.02
186	Os	185.953852	1.58
187	Os	186.955762	1.6
188	Os	187.95585	13.3
189	Os	188.958156	16.1
190	Os	189.958455	26.4
192	Os	191.961487	41
191	Ir	190.960603	37.3
193	Ir	192.962942	62.7
190	Pt	189.959937	0.01
192	Pt	191.961049	0.79
194	Pt	193.962679	32.9
195	Pt	194.964785	33.8
196	Pt	195.964947	25.3
198	Pt	197.967879	7.2
197	Au	196.96656	100

196	Hg	195.965812	0.15
198	Hg	197.96676	10.1
199	Hg	198.968269	17
200	Hg	199.968316	23.1
201	Hg	200.970293	13.2
202	Hg	201.970632	29.65
204	Hg	203.973481	6.8
203	Tl	202.972336	29.524
205	Tl	204.97441	70.476
204	Pb	203.973037	1.4
206	Pb	205.974455	24.1
207	Pb	206.975885	22.1
208	Pb	207.976641	52.4
209	Bi	208.980388	100
232	Th	232.0380538	100
234	U	234.0409474	0.0055
235	U	235.0439253	0.72
238	U	238.0507858	99.2745