

1	Wasserstoff	H	1	1.0078252	99.985
			2	2.0141022	0.015
2	Helium	He	3	3.016030	10e-4
			4	4.002603	100
3	Lithium	Li	6	6.015123	7.5
			7	7.016005	92.5
4	Beryllium	Be	9	9.012183	100
5	Bor	B	10	10.012938	20
			11	11.009305	80
6	Kohlenstoff	C	12	12.0000000	98.89
			13	13.003355	1.11
7	Stickstoff	N	14	14.0030744	99.64
			15	15.000109	0.36
8	Sauerstoff	O	16	15.994915	99.76
			17	16.999133	0.039
			18	17.999160	0.205
9	Fluor	F	19	18.998405	100
10	Neon	Ne	20	19.992441	90.5
			21	20.993847	0.27
			22	21.991385	9.2
11	Natrium	Na	23	22.98977	100
12	Magnesium	Mg	24	23.985044	78.99
			25	24.98584	10.00
			26	25.982594	11.01
13	Aluminium	Al	27	26.981541	100
14	Silicium	Si	28	27.976929	92.2
			29	28.976497	4.7
			30	29.973772	3.1
15	Phosphor	P	31	30.973763	100
16	Schwefel	S	32	31.972073	95.0
			33	32.97146	0.75
			34	33.967870	4.2
			36	35.967080	0.015
17	Chlor	Cl	35	34.968854	75.77
			37	36.965903	24.23
18	Argon	Ar	36	35.967547	0.34
			38	37.962733	0.07
			40	39.962384	99.59
19	Kalium	K	39	38.963709	93.3
			40	39.964000	0.012
			41	40.961827	6.7
20	Calcium	Ca	40	39.962592	96.94
			42	41.95863	0.65
			43	42.95877	0.14
			44	43.95548	2.08
			46	45.95369	0.003
			48	47.95253	0.19
21	Scandium	Sc	45	44.95592	100
22	Titan	Ti	46	45.95263	8.0
			47	46.95177	7.5
			48	47.94795	73.7
			49	48.94787	5.5
			50	49.94478	5.3
23	Vanadium	V	50	49.94716	0.25
			51	50.94396	99.75
24	Chrom	Cr	50	49.94605	4.35
			52	51.94051	83.79
			53	52.94065	9.50
			54	53.93888	2.36
25	Mangan	Mn	55	54.93805	100
26	Eisen	Fe	54	53.93961	5.8
			56	55.93493	91.7
			57	56.93539	2.14

			58	57.93327	0.31
27	Kobalt	Co	59	58.93319	100
28	Nickel	Ni	58	57.93534	67.76
			60	59.93078	26.42
			61	60.93105	1.13
			62	61.92834	3.71
			64	63.92796	0.95
29	Kupfer	Cu	63	62.92959	69.1
			65	64.92779	30.9
30	Zink	Zn	64	63.92914	48.9
			66	65.92604	27.8
			67	66.92713	4.1
			68	67.92485	18.6
			70	69.92533	0.62
31	Gallium	Ga	69	68.92558	60
			71	70.92470	40
32	Germanium	Ge	70	69.92425	20.7
			72	71.92208	27.5
			73	72.92346	7.7
			74	73.92118	36.4
			76	75.92140	7.7
33	Arsen	As	75	74.92160	100
34	Selen	Se	74	73.92248	0.9
			76	75.91921	9.0
			77	76.91991	7.5
			78	77.91731	23.5
			80	79.91653	50
35	Brom	Br	79	78.91833	50.69
			81	80.91629	49.31
36	Krypton	Kr	78	77.92040	0.35
			80	79.91638	2.25
			82	81.91348	11.6
			83	82.91413	11.5
			84	83.91151	57.0
			86	85.91062	17.3
37	Rubidium	Rb	85	84.91180	72.17
			87	86.90919	27.83
38	Strontium	Sr	84	83.91343	0.56
			86	85.90928	9.9
			87	86.90889	7.0
			88	87.90563	82.6
39	Yttrium	Y	89	88.90587	100
40	Zirkon	Zr	90	89.90471	51.4
			91	90.90564	11.2
			92	91.90504	17.1
			94	93.90632	17.5
			96	95.90829	2.8
41	Niob	Nb	93	92.90638	100
42	Molybdän	Mo	92	91.90681	14.8
			94	93.90509	9.1
			95	94.90584	15.9
			96	95.90467	16.7
			97	96.90602	9.5
			98	97.90541	24.4
			100	99.90748	9.6
43	Technetium	Tc	98	97.90722	0
44	Ruthenium	Ru	96	95.90760	5.5
			98	97.90529	1.9
			99	98.90594	12.7
			100	99.90422	12.6
			101	100.90558	17.1
			102	101.90435	31.6
			104	103.90543	18.6

45	Rhodium	Rh	103	102.90551	100
46	Palladium	Pd	102	101.90561	1.0
			104	103.90401	11.0
			105	104.90509	22.2
			106	105.90349	27.3
			108	107.90389	26.7
			110	109.90516	11.8
47	Silber	Ag	107	106.90509	51.83
			109	108.90475	48.17
48	Cadmium	Cd	106	105.90646	1.2
			108	107.90419	0.9
			110	109.90301	12.4
			111	110.90419	12.8
			112	111.90276	24.0
			113	112.90441	12.3
			114	113.90337	28.8
			116	115.90476	7.6
49	Indium	In	113	112.90409	4.3
			115	114.90388	95.7
50	Zinn	Sn	112	111.90483	1.0
			114	113.90278	0.66
			115	114.90335	0.35
			116	115.90175	14.4
			117	116.90296	7.6
			118	117.90161	24.1
			119	118.90331	8.6
			120	119.90221	32.8
			122	121.90345	4.7
			124	123.90528	5.8
51	Antimon	Sb	121	120.90382	57.3
			123	122.90422	42.7
52	Tellur	Te	120	119.90402	0.09
			122	121.90306	2.4
			123	122.90428	0.87
			124	123.90283	4.6
			125	124.90443	7.0
			126	125.90331	18.7
			128	127.90447	31.8
53	Iod	I	127	126.90448	100
			130	129.90623	34.5
54	Xenon	Xe	124	123.9061	0.1
			126	125.90428	0.09
			128	127.90353	1.9
			129	128.90478	26.4
			130	129.90351	3.3
			131	130.90508	21.2
			132	131.90416	27.0
			134	133.90540	10.5
55	Cäsium	Cs	133	132.90544	100
			136	135.90722	8.9
56	Barium	Ba	130	129.90628	0.10
			132	131.90505	0.095
			134	133.90449	2.4
			135	134.90567	6.5
			136	135.90456	7.8
			137	136.90582	11.2
			138	137.90524	71.9
57	Lanthan	La	138	137.90716	0.09
			139	138.90640	99.91
58	Cer	Ce	136	135.9072	0.19
			138	137.90603	0.26
			140	139.90548	88.5
			142	141.90930	11.1

59	Praseodym	Pr	141	140.9077	100
60	Neodym	Nd	142	141.90777	27.1
			143	142.90986	12.2
			144	143.91013	23.9
			145	144.91261	8.3
			146	145.91315	17.2
			148	147.91693	5.7
			150	149.92092	5.6
61	Promethium	Pm	145	144.91274	0
62	Samarium	Sm	144	143.91207	3.1
			147	146.91492	15.0
			148	147.91485	11.2
			149	148.91721	13.8
			150	149.91730	7.4
			152	151.91976	26.7
			154	153.92222	22.8
63	Europium	Eu	151	150.91988	47.8
			153	152.92126	52.2
64	Gadolinium	Gd	152	151.91982	0.2
			154	153.92089	2.2
			155	154.92264	14.9
			156	155.92214	20.6
			157	156.92397	15.7
			158	157.92412	24.7
			160	159.92707	21.7
65	Terbium	Tb	159	158.92539	100
66	Dysprosium	Dy	156	155.9243	0.06
			158	157.92444	0.10
			160	159.92523	2.3
			161	160.92697	18.9
			162	161.92684	25.5
			163	162.92877	24.9
			164	163.92922	28.2
67	Holmium	Ho	165	164.93036	100
68	Erbium	Er	162	161.9288	0.14
			164	163.92924	1.6
			166	165.93032	33.4
			167	166.93208	22.9
			168	167.93240	27.0
			170	169.93549	15.0
			69	Thulium	Tm
70	Ytterbium	Yb	168	167.93393	0.14
			170	169.93479	3.0
			171	170.93635	14.3
			172	171.93640	21.9
			173	172.93823	16.2
			174	173.93888	31.8
			176	175.94258	12.7
71	Lutetium	Lu	175	174.94080	97.4
			176	175.94270	2.6
72	Hafnium	Hf	174	173.9401	0.18
			176	175.94143	5.2
			177	176.94325	18.5
			178	177.94372	27.2
			179	178.94584	13.8
			180	179.94658	35.1
73	Tantal	Ta	180	179.9476	0.01
			181	180.94803	99.99
74	Wolfram	W	180	179.947	0.13
			182	181.94825	26.3
			183	182.95027	14.3
			184	183.95098	30.7
			186	185.95440	28.6

75	Rhenium	Re	185	184.95301	37.40
			187	186.95579	62.60
76	Osmium	Os	184	183.9526	0.02
			186	185.95388	1.6
			187	186.95579	1.6
			188	187.95588	13.3
			189	188.95818	16.1
			190	189.95848	26.4
			192	191.96151	41.0
77	Iridium	Ir	191	190.96063	37.4
			193	192.9630	62.6
78	Platin	Pt	190	189.9600	0.01
			192	191.96108	0.78
			194	193.9627	32.9
			195	194.96480	33.8
			196	195.96497	25.3
			198	197.9679	7.2
79	Gold	Au	197	196.96655	100
			198	197.96823	0
□					
80	Quecksilber	Hg	196	195.96582	0.15
□					
			198	197.96675	10.1
□					
			199	198.96828	16.9
□					
			200	199.96832	23.1
□					
			201	200.97030	13.2
□					
			202	201.97064	29.7
□					
			204	203.97350	6.8
□					
81	Thallium	Tl	203	202.97235	29.5
			205	204.97444	70.5
82	Blei	Pb	204	203.97305	1.4
			206	205.97448	24.1
			207	206.97590	22.1
			208	207.97666	52.4
			210	209.98419	0
□					
83	Bismut	Bi	208	207.97973	0
			209	208.98040	100
			210	209.98412	0
84	Polonium	Po	210	209.98288	0
85	Astat	At	210	209.98713	0
86	Radon	Rn	220	220.01139	0
			222	222.01761	0
87	Francium	Fr	223	223.01973	0
88	Radium	Ra	226	226.02544	0
89	Actinium	Ac	227	227.02777	0
□					
90	Thorium	Th	230	230.03316	0
			232	232.03807	100
91	Protactinium	Pa	231	231.03590	0
□					
92	Uran	U	233	233.03965	0
			234	234.04098	0
			235	235.04394	0.72
□					
			238	238.05082	99.28
			239	239.05433	0

93	Neptunium	Np	239	239.05295	0
94	Plutonium	Pu	239	239.05216	0
95	Americium	Am	241	241.05685	0
			243	243.06137	0
96	Curium	Cm	247	247.07035	0
97	Berkelium	Bk	247	247.07030	0
98	Californium	Cf	251	251.07958	0
99	Einsteinium	Es	252	252.08297	0
100	Fermium	Fm	257	257.09510	0