

AtomicNumber	ElementName	ElementSymbol	MassNumber	AtomicMass	NaturalAbundance	Radioactive	Half-Life	DecayMode
1	Hydrogen	H	1	1.007825	99.985	no		
1	Hydrogen	H	2	2.014102	0.0015	no		
1	Hydrogen	H	3	3.016049	0	yes	12.33 yr	β^-
2	Helium	He	3	3.016029	0.000137	no		
2	Helium	He	4	4.002602	99.999863	no		
2	Helium	He	6	6.018886	0	yes	806.92 ms	β^-
2	Helium	He	8	8.033935	0	yes	119.1 ms	β^-
3	Lithium	Li	6	6.015121	7.5	no		
3	Lithium	Li	7	7.016003	92.8	no		
3	Lithium	Li	8	8.022486	0	yes	839.4 ms	β^-
4	Beryllium	Be	7	7.016928	0	yes	53.29 days	ec
4	Beryllium	Be	9	9.012182	100	no		
4	Beryllium	Be	10	10.0135338	0	yes	1.36e6 years	β^-
4	Beryllium	Be	11	11.0216611	0	yes	13.76 s	β^-
5	Boron	B	10	10.012936	19.9	no		
5	Boron	B	11	11.009305	80.1	no		
6	Carbon	C	11	11.011433	0	yes	20.385 min	β^+
6	Carbon	C	12	12	98.9	no		
6	Carbon	C	13	13.03355	1.1	no		
6	Carbon	C	14	14.003242	0	yes	5730 yr	β^-
7	Nitrogen	N	13	13.005738	0	yes	9.965 min	β^+
7	Nitrogen	N	14	14.003074	99.63	no		
7	Nitrogen	N	15	15.000108	0.37	no		
7	Nitrogen	N	16	16.0061017	0	yes	7.13 s	β^-
8	Oxygen	O	15	15.003065	0	yes	122.24 s	β^+
8	Oxygen	O	16	15.994915	99.76	no		
8	Oxygen	O	17	16.999132	0.038	no		
8	Oxygen	O	18	17.99916	0.2	no		
8	Oxygen	O	19	19.00358	0	yes	26.465 s	β^-
9	Fluorine	F	19	18.998404	100	no		
10	Neon	Ne	20	19.992435	90.48	no		
10	Neon	Ne	21	20.993847	0.27	no		
10	Neon	Ne	22	21.991383	9.25	no		

11	Sodium	Na	22	21.994434	0	yes	2.6027 yr	β +
11	Sodium	Na	23	22.989767	100	no		
11	Sodium	Na	24	23.990961	0	yes	14.9590 hr	β -
12	Magnesium	Mg	24	23.985042	78.99	no		
12	Magnesium	Mg	25	24.985837	10	no		
12	Magnesium	Mg	26	25.982593	11.01	no		
13	Aluminum	Al	27	26.981538	100	no		
14	Silicon	Si	27	26.9867049	0	yes	4.16 s	β +
14	Silicon	Si	28	27.976927	92.23	no		
14	Silicon	Si	29	28.976495	4.6832	no		
14	Silicon	Si	30	29.97377	3.0872	no		
14	Silicon	Si	31	30.975362	0	yes	157.3 min	β -
15	Phosphorus	P	31	30.973762	100	no		
15	Phosphorus	P	32	31.973908	0	yes	14.262 days	β -
16	Sulfur	S	32	31.972071	94.93	no		
16	Sulfur	S	33	32.971458	0.76	no		
16	Sulfur	S	34	33.967867	4.29	no		
16	Sulfur	S	35	34.969033	0	yes	87.51 days	β -
16	Sulfur	S	35	35.967081	0.02	no		
17	Chlorine	Cl	35	34.968853	75.78	no		
17	Chlorine	Cl	37	36.965903	24.22	no		
18	Argon	Ar	36	35.967546	0.3365	no		
18	Argon	Ar	38	37.962732	0.0632	no		
18	Argon	Ar	40	39.962383	99.6003	no		
19	Potassium	K	39	38.963707	93.2581	no		
19	Potassium	K	40	39.963999	0.0117	no		
19	Potassium	K	41	40.961826	6.7302	no		
20	Calcium	Ca	40	36.965903	96.941	no		
20	Calcium	Ca	42	41.958618	0.647	no		
20	Calcium	Ca	43	42.955481	0.135	no		
20	Calcium	Ca	44	43.958767	2.086	no		
20	Calcium	Ca	46	45.953693	0.004	no		
20	Calcium	Ca	48	47.952534	0.187	no		