

## Masses of Isotopes and Particles

Particle	Mass (amu)
${}^0_{-1}e$	0.00055
${}^1_1p$	1.00728
${}^1_0n$	1.00867
${}^1_1H$	1.00782
${}^2_1H$	2.01410
${}^3_1H$	
${}^3_2He$	3.01603
${}^4_2He$	4.00260
${}^5_2He$	5.01230
${}^5_3Li$	5.01254
${}^6_3Li$	6.01512
${}^6_4Be$	6.01972
${}^7_3Li$	7.01600
${}^7_4Be$	7.01693
${}^8_4Be$	8.00531
${}^8_5B$	8.02461
${}^9_4Be$	9.01219
${}^9_5B$	9.01333
${}^{10}_4Be$	10.01353
${}^{10}_5B$	10.01294
${}^{10}_6C$	10.01681
${}^{11}_4Be$	11.02166
${}^{11}_5B$	11.02167
${}^{11}_6C$	11.01143
${}^{12}_6C$	12.0000
${}^{12}_7N$	12.01864

Particle	Mass (amu)
${}^{13}_6C$	13.00335
${}^{13}_7N$	13.00574
${}^{14}_6C$	14.00324
${}^{14}_7N$	14.00308
${}^{14}_8O$	14.00860
${}^{15}_6C$	15.01060
${}^{15}_7N$	15.00011
${}^{15}_8O$	15.00307
${}^{16}_6C$	16.01470
${}^{16}_7N$	16.00610
${}^{16}_8O$	15.99492
${}^{17}_8O$	16.99913
${}^{17}_9F$	17.00210
${}^{18}_8O$	17.99916
${}^{18}_9F$	18.00094
${}^{19}_9F$	18.99840
${}^{19}_{10}Ne$	19.00188
${}^{20}_{10}Ne$	19.99244
${}^{24}_{11}Na$	23.99096
${}^{27}_{13}Al$	26.98154
${}^{40}_{19}K$	39.93640
${}^{40}_{20}Ca$	39.96259
${}^{40}_{20}Ar$	39.96238
${}^{58}_{26}Fe$	57.93328
${}^{59}_{26}Fe$	58.93488
${}^{59}_{27}Co$	58.93319

Particle	Mass (amu)
${}^{60}_{27}Co$	59.93381
${}^{90}_{36}Kr$	89.91972
${}^{91}_{36}Kr$	90.92344
${}^{92}_{36}Kr$	91.92615
${}^{95}_{36}Kr$	94.93984
${}^{97}_{40}Zr$	96.91097
${}^{137}_{52}Te$	136.92532
${}^{138}_{56}Ba$	137.90500
${}^{141}_{56}Ba$	140.91441
${}^{142}_{56}Ba$	141.91635
${}^{214}_{82}Pb$	213.99977
${}^{218}_{82}Pb$	218.00893
${}^{222}_{86}Rn$	222.01538
${}^{226}_{88}Ra$	226.02536
${}^{230}_{90}Th$	230.03309
${}^{231}_{90}Th$	231.03629
${}^{232}_{90}Th$	232.03551
${}^{234}_{90}Th$	234.04358
${}^{234}_{91}Pa$	234.04330
${}^{234}_{92}U$	234.04090
${}^{235}_{92}U$	235.04392
${}^{238}_{92}U$	238.05077
${}^{239}_{92}U$	239.05430
${}^{239}_{93}Np$	239.05292
${}^{239}_{94}Pu$	239.04951
${}^{242}_{96}Cm$	242.05879