

Table 10. Nuclide abundances 4.56 Ga ago (normalized to N(Si) = 10⁶ atoms)

Z		A	atom%	N	Z		A	atom%	N
1	H	1	99.9981	2.59E+10	20	Ca	46	0.004	2
1	H	2	0.00194	5.03E+05	20	Ca	48	0.187	113
			100	2.59E+10				100	60400
2	He	3	0.0166	1.03E+06	21	Sc	45	100	34.4
2	He	4	99.9834	2.51E+09	22	Ti	46	8.249	204
			100	2.51E+09	22	Ti	47	7.437	184
3	Li	6	7.589	4.2	22	Ti	48	73.72	1820
3	Li	7	92.411	51.4	22	Ti	49	5.409	134
			100	55.6	22	Ti	50	5.185	128
4	Be	9	100	0.612				100	2470
5	B	10	19.820	3.7	23	V	50	0.2497	0.7
5	B	11	80.180	15.1	23	V	51	99.7503	285.7
			100	18.8				100	286.4
6	C	12	98.889	7.11E+06	24	Cr	50	4.3452	569
6	C	13	1.111	7.99E+04	24	Cr	52	83.7895	11000
			100	7.19E+06	24	Cr	53	9.5006	1240
7	N	14	99.634	2.12E+06	24	Cr	54	2.3647	309
7	N	15	0.366	7.78E+03				100	13100
			100	2.12E+06	25	Mn	55	100	9220
8	O	16	99.763	1.57E+07	26	Fe	54	5.845	49600
8	O	17	0.037	5.90E+03	26	Fe	56	91.754	7.78E+05
8	O	18	0.200	3.15E+04	26	Fe	57	2.1191	18000
			100	1.57E+07	26	Fe	58	0.2819	2390
9	F	19	100	804				100	8.48E+05
10	Ne	20	92.9431	3.06E+06	27	Co	59	100	2350
10	Ne	21	0.2228	7.33E+03	28	Ni	58	68.0769	33400
10	Ne	22	6.8341	2.25E+05	28	Ni	60	26.2231	12900
			100	3.29E+06	28	Ni	61	1.1399	559
11	Na	23	100	57700	28	Ni	62	3.6345	1780
12	Mg	24	78.992	8.10E+05	28	Ni	64	0.9256	454
12	Mg	25	10.003	1.03E+05				100	49000
12	Mg	26	11.005	1.13E+05	29	Cu	63	69.174	374
			100	1.03E+06	29	Cu	65	30.826	167
13	Al	27	100	8.46E+04				100	541
14	Si	28	92.230	9.22E+05	30	Zn	64	48.63	630
14	Si	29	4.683	4.68E+04	30	Zn	66	27.9	362
14	Si	30	3.087	3.09E+04	30	Zn	67	4.1	53
			100	1.00E+06	30	Zn	68	18.75	243
15	P	31	100	8300	30	Zn	70	0.62	8
16	S	32	95.018	400258				100	1300
16	S	33	0.75	3160	31	Ga	69	60.108	22.0
16	S	34	4.215	17800	31	Ga	71	39.892	14.6
16	S	36	0.017	72				100	36.6
			100	421245	32	Ge	70	21.234	24.3
17	Cl	35	75.771	3920	32	Ge	72	27.662	31.7
17	Cl	37	24.229	1250	32	Ge	73	7.717	8.8
			100	5170	32	Ge	74	35.943	41.2
18	Ar	36	84.595	78400	32	Ge	76	7.444	8.5
18	Ar	38	15.381	14300				100	115
18	Ar	40	0.024	22	33	As	75	100	6.10
			100	92700	34	Se	74	0.89	0.60
19	K	39	93.132	3500	34	Se	76	9.37	6.32
19	K*	40	0.147	6	34	Se	77	7.64	5.15
19	K	41	6.721	253	34	Se	78	23.77	16.04
			100	3760	34	Se	80	49.61	33.48
20	Ca	40	96.941	58500	34	Se	74	0.89	0.60
20	Ca	42	0.647	391	34	Se	76	9.37	6.32
20	Ca	43	0.135	82	34	Se	77	7.64	5.15
20	Ca	44	2.086	1260	34	Se	78	23.77	16.04

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Z		A	atom%	N	Z		A	atom%	N
34	Se	80	49.61	33.48	48	Cd	111	12.8	0.201
34	Se	82	8.73	5.89	48	Cd	112	24.13	0.380
			100	67.5	48	Cd	113	12.22	0.192
35	Br	79	50.686	5.43	48	Cd	114	28.73	0.452
35	Br	81	49.314	5.28	48	Cd	116	7.49	0.118
			100	10.7				100	1.57
36	Kr	78	0.362	0.20	49	In	113	4.288	0.008
36	Kr	80	2.326	1.30	49	In	115	95.712	0.170
36	Kr	82	11.655	6.51				100	0.178
36	Kr	83	11.546	6.45	50	Sn	112	0.971	0.035
36	Kr	84	56.903	31.78	50	Sn	114	0.659	0.024
36	Kr	86	17.208	9.61	50	Sn	115	0.339	0.012
			100	55.8	50	Sn	116	14.536	0.524
37	Rb	85	70.844	5.121	50	Sn	117	7.676	0.277
37	Rb*	87	29.156	2.108	50	Sn	118	24.223	0.873
			100	7.23	50	Sn	119	8.585	0.309
38	Sr	84	0.5580	0.13	50	Sn	120	32.593	1.175
38	Sr	86	9.8678	2.30	50	Sn	122	4.629	0.167
38	Sr	87	6.8961	1.60	50	Sn	124	5.789	0.209
38	Sr	88	82.6781	19.2				100	3.60
			100	23.3	51	Sb	121	57.213	0.179
39	Y	89	100	4.63	51	Sb	123	42.787	0.134
40	Zr	90	51.452	5.546				100	0.313
40	Zr	91	11.223	1.210	52	Te	120	0.096	0.005
40	Zr	92	17.146	1.848	52	Te	122	2.603	0.122
40	Zr	94	17.38	1.873	52	Te	123	0.908	0.043
40	Zr	96	2.799	0.302	52	Te	124	4.816	0.226
			100	10.78	52	Te	125	7.139	0.335
41	Nb	93	100	0.780	52	Te	126	18.952	0.889
42	Mo	92	14.525	0.370	52	Te	128	31.687	1.486
42	Mo	94	9.151	0.233	52	Te	130	33.799	1.585
42	Mo	95	15.838	0.404				100	4.69
42	Mo	96	16.672	0.425	53	I	127	100	1.10
42	Mo	97	9.599	0.245	54	Xe	124	0.129	0.007
42	Mo	98	24.391	0.622	54	Xe	126	0.112	0.006
42	Mo	100	9.824	0.250	54	Xe	128	2.23	0.122
			100	2.55	54	Xe	129	27.46	1.499
44	Ru	96	5.542	0.099	54	Xe	130	4.38	0.239
44	Ru	98	1.869	0.033	54	Xe	131	21.80	1.190
44	Ru	99	12.758	0.227	54	Xe	132	26.36	1.438
44	Ru	100	12.599	0.224	54	Xe	134	9.66	0.527
44	Ru	101	17.060	0.304	54	Xe	136	7.87	0.429
44	Ru	102	31.552	0.562				100	5.457
44	Ru	104	18.621	0.332	55	Cs	133	100	0.371
			100	1.78	56	Ba	130	0.106	0.005
45	Rh	103	100	0.370	56	Ba	132	0.101	0.005
46	Pd	102	1.02	0.0139	56	Ba	134	2.417	0.108
46	Pd	104	11.14	0.1513	56	Ba	135	6.592	0.295
46	Pd	105	22.33	0.3032	56	Ba	136	7.853	0.351
46	Pd	106	27.33	0.371	56	Ba	137	11.232	0.502
46	Pd	108	26.46	0.359	56	Ba	138	71.699	3.205
46	Pd	110	11.72	0.159				100	4.471
			100	1.36	57	La*	138	0.091	0.000
47	Ag	107	51.839	0.254	57	La	139	99.909	0.457
47	Ag	109	48.161	0.236				100	0.457
			100	0.489	58	Ce	136	0.186	0.002
48	Cd	106	1.25	0.020	58	Ce	138	0.250	0.003
48	Cd	108	0.89	0.014	58	Ce	140	88.450	1.043
48	Cd	110	12.49	0.197	58	Ce	142	11.114	0.131

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Z		A	atom%	N	Z		A	atom%	N
58	Ce		100	1.180	72	Hf	176	5.206	0.0081
59	Pr	141	100	0.172	72	Hf	177	18.606	0.0290
60	Nd	142	27.044	0.231	72	Hf	178	27.297	0.0425
60	Nd	143	12.023	0.103	72	Hf	179	13.629	0.0212
60	Nd	144	23.729	0.203	72	Hf	180	35.100	0.0547
60	Nd	145	8.763	0.075				100	0.156
60	Nd	146	17.130	0.147	73	Ta	180	0.0123	2.6E-06
60	Nd	148	5.716	0.049	73	Ta	181	99.9877	0.0210
60	Nd	150	5.596	0.048				100	0.0210
			100	0.856	74	W	180	0.120	0.0002
62	Sm	144	3.073	0.008	74	W	182	26.499	0.0363
62	Sm*	147	14.993	0.041	74	W	183	14.314	0.0196
62	Sm*	148	11.241	0.030	74	W	184	30.642	0.0420
62	Sm	149	13.819	0.037	74	W	186	28.426	0.0390
62	Sm	150	7.380	0.020				100	0.137
62	Sm	152	26.742	0.071	75	Re	185	35.662	0.0207
62	Sm	154	22.752	0.060	75	Re*	187	64.338	0.0374
			100	0.267				100	0.0581
63	Eu	151	47.81	0.0471	76	Os	184	0.020	0.0001
63	Eu	153	52.19	0.0514	76	Os	186	1.598	0.0108
			100	0.0984	76	Os	187	1.271	0.0086
64	Gd	152	0.203	0.0007	76	Os	188	13.337	0.0904
64	Gd	154	2.181	0.0078	76	Os	189	16.261	0.110
64	Gd	155	14.800	0.0533	76	Os	190	26.444	0.179
64	Gd	156	20.466	0.0736	76	Os	192	41.070	0.278
64	Gd	157	15.652	0.0563				100	0.678
64	Gd	158	24.835	0.0894	77	Ir	191	37.272	0.250
64	Gd	160	21.864	0.0787	77	Ir	193	62.728	0.421
			100	0.360				100	0.672
65	Tb	159	100	0.0634	78	Pt*	190	0.014	0.0002
66	Dy	156	0.056	0.0002	78	Pt	192	0.783	0.010
66	Dy	158	0.095	0.0004	78	Pt	194	32.967	0.420
66	Dy	160	2.329	0.0094	78	Pt	195	33.832	0.431
66	Dy	161	18.889	0.0762	78	Pt	196	25.242	0.322
66	Dy	162	25.475	0.1028	78	Pt	198	7.163	0.091
66	Dy	163	24.896	0.1005				100	1.27
66	Dy	164	28.260	0.1141	79	Au	197	100	0.195
			100	0.404	80	Hg	196	0.15	0.001
67	Ho	165	100	0.0910	80	Hg	198	9.97	0.046
68	Er	162	0.139	0.0004	80	Hg	199	16.87	0.077
68	Er	164	1.601	0.0042	80	Hg	200	23.10	0.106
68	Er	166	33.503	0.088	80	Hg	201	13.18	0.060
68	Er	167	22.869	0.060	80	Hg	202	29.86	0.137
68	Er	168	26.978	0.071	80	Hg	204	6.87	0.031
68	Er	170	14.910	0.039				100	0.458
			100	0.262	81	Tl	203	29.524	0.054
69	Tm	169	100	0.0406	81	Tl	205	70.476	0.129
70	Yb	168	0.12	0.0003				100	0.182
70	Yb	170	2.98	0.0076	82	Pb	204	1.997	0.066
70	Yb	171	14.09	0.0361	82	Pb	206	18.582	0.614
70	Yb	172	21.69	0.0556	82	Pb	207	20.563	0.680
70	Yb	173	16.10	0.0413	82	Pb	208	58.858	1.946
70	Yb	174	32.03	0.0821				100	3.306
70	Yb	176	13.00	0.0333	83	Bi	209	100	0.1382
			100	0.256	90	Th*	232	100	0.0440
71	Lu	175	97.1795	0.0370	92	U*	234	0.002	4.9E-07
71	Lu*	176	2.8205	0.0011	92	U*	235	24.286	0.0058
			100	0.0380	92	U*	238	75.712	0.0180
72	Hf	174	0.162	0.0003				100	0.0238