

CHIANTI V7.0 element abundance models																		
Atomic Number	Element name	Element Symbol	First ionization potential	cosmic	sun_coronal	sun_coronal_ext	sun_hybrid	sun_hybrid_ext	sun_photospheric	sun_photospheric_grevesse0	allen	allen_minorions	feldman	grevesse_anders	grevesse_sauval98	meyer_coronal	photospheric_may97	waljeski
1	Hydrogen	H	13.5984	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000	12.0000
2	Helium	He	24.5874	10.9300	10.9000	10.9000	10.8000	10.8000	10.9300	10.9300	10.9300	0.00000	10.9000	10.9000	10.9300	10.9900	10.9900	10.9000
3	Lithium	Li	5.3917	0.00000	0.00000	1.64000	0.00000	1.42000	1.10000	1.05000	0.00000	0.00000	0.00000	0.00000	1.10000	0.00000	0.00000	0.00000
4	Beryllium	Be	9.3227	0.00000	0.00000	1.94000	0.00000	1.72000	1.40000	1.38000	0.00000	0.00000	0.00000	0.00000	1.40000	0.00000	0.00000	0.00000
5	Boron	B	8.2980	0.00000	0.00000	3.09000	0.00000	2.87000	2.55000	2.70000	0.00000	0.00000	0.00000	0.00000	2.55000	0.00000	0.00000	0.00000
6	Carbon	C	11.2603	8.52000	8.59000	8.59000	8.41000	8.41000	8.52000	8.39000	8.52000	0.00000	8.59000	8.60000	8.52000	8.37000	8.55000	9.28000
7	Nitrogen	N	14.5341	7.96000	8.00000	8.00000	7.81000	7.81000	7.92000	7.78000	7.96000	0.00000	8.00000	8.00000	7.92000	7.59000	7.97000	8.50000
8	Oxygen	O	13.6181	8.82000	8.89000	8.89000	8.74000	8.74000	8.83000	8.66000	8.82000	0.00000	8.89000	8.93000	8.83000	8.39000	8.87000	9.30000
9	Fluorine	F	17.4228	4.60000	0.00000	4.56000	0.00000	4.45000	4.56000	4.56000	4.60000	4.60000	4.60000	4.56000	4.56000	0.00000	4.56000	0.00000
10	Neon	Ne	21.5645	7.92000	8.08000	8.08000	7.95000	7.95000	8.08000	7.84000	7.92000	0.00000	8.08000	8.09000	8.08000	7.55000	8.08000	8.45000
11	Sodium	Na	5.1391	6.25000	6.93000	6.93000	6.63000	6.63000	6.33000	6.17000	6.25000	6.25000	6.93000	6.33000	6.33000	6.00000	6.33000	0.00000
12	Magnesium	Mg	7.6462	7.42000	8.15000	8.15000	7.90000	7.90000	7.58000	7.53000	7.42000	0.00000	8.15000	7.58000	7.58000	7.57000	7.58000	8.48000
13	Aluminium	Al	5.9858	6.39000	7.04000	7.04000	6.80000	6.80000	6.47000	6.37000	6.39000	6.39000	7.04000	6.47000	6.47000	6.44000	6.47000	7.35000
14	Silicon	Si	8.1517	7.52000	8.10000	8.10000	7.87000	7.87000	7.55000	7.51000	7.52000	0.00000	8.10000	7.55000	7.55000	7.59000	7.55000	8.50000
15	Phosphorus	P	10.4867	5.52000	0.00000	5.45000	5.44000	5.44000	5.45000	5.36000	5.52000	5.52000	5.52000	5.45000	5.45000	0.00000	5.45000	0.00000
16	Sulphur	S	10.3600	7.20000	7.27000	7.27000	7.32000	7.32000	7.33000	7.14000	7.20000	0.00000	7.27000	7.21000	7.33000	6.94000	7.21000	7.84000
17	Chlorine	Cl	12.9676	5.60000	0.00000	5.50000	5.08000	5.08000	5.50000	5.50000	5.60000	5.60000	5.60000	5.50000	5.50000	0.00000	5.50000	0.00000
18	Argon	Ar	15.7596	6.80000	6.58000	6.58000	6.36000	6.36000	6.40000	6.18000	6.80000	0.00000	6.58000	6.56000	6.40000	6.33000	6.47000	7.24000
19	Potassium	K	4.3407	4.95000	0.00000	5.67000	5.46000	5.46000	5.12000	5.08000	4.95000	4.95000	4.95000	5.12000	5.12000	0.00000	5.12000	0.00000
20	Calcium	Ca	6.1132	6.30000	6.93000	6.93000	6.66000	6.66000	6.36000	6.31000	6.30000	0.00000	6.93000	6.36000	6.36000	6.47000	6.36000	7.38000
21	Scandium	Sc	6.5615	3.22000	0.00000	3.71000	0.00000	3.49000	3.17000	3.17000	3.22000	3.22000	3.22000	3.10000	3.17000	0.00000	3.20000	0.00000
22	Titanium	Ti	6.8281	5.13000	0.00000	5.56000	5.25000	5.25000	5.02000	4.90000	5.13000	5.13000	5.13000	4.99000	5.02000	0.00000	5.02000	0.00000
23	Vanadium	V	6.7462	4.40000	0.00000	4.54000	0.00000	4.32000	4.00000	4.00000	4.40000	4.40000	4.40000	4.00000	4.00000	0.00000	4.00000	0.00000
24	Chromium	Cr	6.7665	5.85000	0.00000	6.21000	6.00000	6.00000	5.67000	5.64000	5.85000	5.85000	5.85000	5.67000	5.67000	0.00000	5.67000	0.00000
25	Manganese	Mn	7.4340	5.40000	0.00000	5.93000	0.00000	5.71000	5.39000	5.39000	5.40000	5.40000	5.40000	5.39000	5.39000	0.00000	5.39000	0.00000
26	Iron	Fe	7.9024	7.60000	8.10000	8.10000	7.83000	7.83000	7.50000	7.45000	7.60000	0.00000	8.10000	7.67000	7.50000	7.59000	7.51000	8.50000
27	Cobalt	Co	7.8810	5.10000	0.00000	5.46000	0.00000	5.24000	4.92000	4.92000	5.10000	5.10000	5.10000	4.92000	4.92000	0.00000	4.92000	0.00000
28	Nickel	Ni	7.6398	6.30000	6.84000	6.84000	6.56000	6.56000	6.25000	6.23000	6.30000	0.00000	6.84000	6.25000	6.25000	6.33000	6.25000	7.24000
29	Copper	Cu	7.7264	4.50000	0.00000	4.75000	0.00000	4.53000	4.21000	4.21000	4.50000	4.50000	4.50000	4.21000	4.21000	0.00000	4.21000	0.00000
30	Zinc	Zn	9.3942	4.20000	0.00000	5.14000	4.09000	4.09000	4.60000	4.60000	4.20000	4.20000	4.20000	4.60000	4.60000	0.00000	4.60000	0.00000

CHIANTI is a collaborative project involving George Mason University, the University of Michigan (USA) and the University of Cambridge (UK).

CHIANTI Version 7.0 (Landi et al., 2012; ApJS, 744, 99) abundance sets were used to compile this contribution.