

Cosmochemical Periodic Table of the Elements in the Solar System

2.43e10 H																2.343e9 He < 3	
55.47 Li 1142 s	0.7374 Be 1452 s											17.32 B 908 s	7.079e6 C 40	1.950e6 N 123	1.413e7 O 180	841.1 F 734 s	2.148e6 Ne 9.1
57510 Na 958 s	1.020e6 Mg 1336											84100 Al 1653	1.000e6 Si 1310	8373 P 1229	444900 S 664	5237 Cl 948 s	102500 Ar 47
3692 K 1006 s	62870 Ca 1517	34.20 Sc 1659 s	2422 Ti 1582	288.4 V 1429 s	12860 Cr 1296 s	9168 Mn 1158 s	838000 Fe 1334	2323 Co 1352 s	47800 Ni 1353 s	527 Cu 1037 s	1226 Zn 726 s	35.97 Ga 968 s	120.6 Ge 883 s	6.089 As 1065 s	65.79 Se 697 s	11.32 Br 546 s	55.15 Kr 52
6.572 Rb 800 s	23.64 Sr 1464 s	4.608 Y 1659 s	11.33 Zr 1741	0.7554 Nb 1599 s	2.601 Mo 1590 s	Tc	1.900 Ru 1551 s	0.3708 Rh 1392 s	1.435 Pd 1324 s	0.4913 Ag 996 s	1.584 Cd 652 s	0.1810 In 800 ^s	3.733 Sn 704 s	0.3292 Sb 979 s	4.815 Te 709 s	0.9975 I 535 s	5.391 Xe 68
0.3671 Cs 799 s	4.351 Ba 1455 s	0.4405 La 1578 s	0.1699 Hf 1684 s	0.02099 Ta 1573 s	0.1277 W 1789 s	0.05254 Re 1821 s	0.6738 Os 1812 s	0.6448 Ir 1603 s	1.357 Pt 1408 s	0.1955 Au 1060 s	0.4128 Hg 252 s	0.1845 Tl 532 s	3.258 Pb 727 s	0.1388 Bi 746 s	Po	At	Rn
Fr	Ra	Ac	Rf	Ha	106	107	108	109	110	111	112						

abund. Si = 1e6 atoms
 EL element symbol
 Tc (K) 50% condensation temperature at 1e-4 bar
 box color: lithophile, chalcophile, siderophile, atmophile
 s=solid solution
 refractory, common, volatile, highly volatile

K. Lodders, 2003,
 Solar System Abundances
 and Condensation Temperatures
 of the Elements,
Astrophys. J. 591, 1220-1247

* Richter et al. (2017) GCA, 198, 1-16

1.169 Ce 1478 s	0.1737 Pr 1582 s	0.8355 Nd 1602 s	Pm	0.2542 Sm 1590 s	0.09513 Eu 1356 s	0.3321 Gd 1659 s	0.05907 Tb 1659 s	0.3862 Dy 1659 s	0.08986 Ho 1659 s	0.2554 Er 1659 s	0.0370 Tm 1659 s	0.2484 Yb 1487 s	0.03572 Lu 1659 s
0.03512 Th 1659 s	Pa	9.31e-3 U 1610 s	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No.	Lr