

**DO NOT DETACH FROM BOOK.**

# PERIODIC TABLE OF THE ELEMENTS

PERIODIC TABLE OF THE ELEMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1										2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
He										He																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1.008										4.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
10										10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Ne										Ne																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
20.18										20.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
18										18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Ar										Ar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
39.95										39.95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
36										36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Kr										Kr																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
83.80										83.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
54										54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Xe										Xe																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
131.29										131.29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
86										86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Rn										Rn																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
(222)										(222)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
5										6		7		8		9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
B										C		N		O		F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
10.81										12.01		14.01		16.00		19.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
13										14		15		16		17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Al										Si		P		S		Cl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
26.98										28.09		30.97		32.06		35.45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
31										32		33		34		35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Ga										Ge		As		Se		Br																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
69.72										72.59		74.92		78.96		79.90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
49										50		51		52		53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
In										Sn		Sb		Te		I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
114.82										118.71		121.75		127.60		126.91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
81										82		83		84		85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Tl										Pb		Bi		Po		At																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
204.38										207.2		208.98		(209)		(210)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
29										30		29		28		27		26		25		24		23		22		21		20		19		18		17		16		15		14		13		12		11		10		9		8		7		6		5		4		3		2		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Cu										Zn		Cu		Ni		Co		Fe		Mn		Cr		V		Ti		Sc		Ca		K		Ar		Ne		He																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
63.55										65.39		63.55		58.69		58.93		55.85		54.94		52.00		50.94		47.90		44.96		40.08		39.10		37		36		35		34		33		32		31		30		29		28		27		26		25		24		23		22		21		20		19		18		17		16		15		14		13		12		11		10		9		8		7		6		5		4		3		2		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Ag										Cd		Ag		Pd		Rh		Ru		Tc		Mo		Nb		Zr		Y		Sr		Rb		Xe		Kr		Ar		Ne		He																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
107.87										112.41		107.87		106.42		102.91		101.1		(98)		95.94		92.91		91.22		88.91		87.62		85.47		83.80		81.80		79.90		77.96		75.92		74.92		72.59		70.90		68.96		66.92		64.92		62.92		60.92		58.92		56.92		54.92		52.92		50.92		48.92		46.92		44.92		42.92		40.92		38.92		36.92		34.92		32.92		30.92		28.92		26.92		24.92		22.92		20.92		18.92		16.92		14.92		12.92		10.92		8.92		6.92		4.92		2.92		0.92		-0.92		-2.92		-4.92		-6.92		-8.92		-10.92		-12.92		-14.92		-16.92		-18.92		-20.92		-22.92		-24.92		-26.92		-28.92		-30.92		-32.92		-34.92		-36.92		-38.92		-40.92		-42.92		-44.92		-46.92		-48.92		-50.92		-52.92		-54.92		-56.92		-58.92		-60.92		-62.92		-64.92		-66.92		-68.92		-70.92		-72.92		-74.92		-76.92		-78.92		-80.92		-82.92		-84.92		-86.92		-88.92		-90.92		-92.92		-94.92		-96.92		-98.92		-100.92		-102.92		-104.92		-106.92		-108.92		-110.92		-112.92		-114.92		-116.92		-118.92		-120.92		-122.92		-124.92		-126.92		-128.92		-130.92		-132.92		-134.92		-136.92		-138.92		-140.92		-142.92		-144.92		-146.92		-148.92		-150.92		-152.92		-154.92		-156.92		-158.92		-160.92		-162.92		-164.92		-166.92		-168.92		-170.92		-172.92		-174.92		-176.92		-178.92		-180.92		-182.92		-184.92		-186.92		-188.92		-190.92		-192.92		-194.92		-196.92		-198.92		-200.92		-202.92		-204.92		-206.92		-208.92		-210.92		-212.92		-214.92		-216.92		-218.92		-220.92		-222.92		-224.92		-226.92		-228.92		-230.92		-232.92		-234.92		-236.92		-238.92		-240.92		-242.92		-244.92		-246.92		-248.92		-250.92		-252.92		-254.92		-256.92		-258.92		-260.92		-262.92		-264.92		-266.92		-268.92		-270.92		-272.92		-274.92		-276.92		-278.92		-280.92		-282.92		-284.92		-286.92		-288.92		-290.92		-292.92		-294.92		-296.92		-298.92		-300.92		-302.92		-304.92		-306.92		-308.92		-310.92		-312.92		-314.92		-316.92		-318.92		-320.92		-322.92		-324.92		-326.92		-328.92		-330.92		-332.92		-334.92		-336.92		-338.92		-340.92		-342.92		-344.92		-346.92		-348.92		-350.92		-352.92		-354.92		-356.92		-358.92		-360.92		-362.92		-364.92		-366.92		-368.92		-370.92		-372.92		-374.92		-376.92		-378.92		-380.92		-382.92		-384.92		-386.92		-388.92		-390.92		-392.92		-394.92		-396.92		-398.92		-400.92		-402.92		-404.92		-406.92		-408.92		-410.92		-412.92		-414.92		-416.92		-418.92		-420.92		-422.92		-424.92		-426.92		-428.92		-430.92		-432.92		-434.92		-436.92		-438.92		-440.92		-442.92		-444.92		-446.92		-448.92		-450.92		-452.92		-454.92		-456.92		-458.92		-460.92		-462.92		-464.92		-466.92		-468.92		-470.92		-472.92		-474.92		-476.92		-478.92		-480.92		-482.92		-484.92		-486.92		-488.92		-490.92		-492.92		-494.92		-496.92		-498.92		-500.92		-502.92		-504.92		-506.92		-508.92		-510.92		-512.92		-514.92		-516.92		-518.92		-520.92		-522.92		-524.92		-526.92		-528.92		-530.92		-532.92		-534.92		-536.92		-538.92		-540.92		-542.92		-544.92		-546.92		-548.92		-550.92		-552.92		-554.92		-556.92		-558.92		-560.92		-562.92		-564.92		-566.92		-568.92		-570.92		-572.92		-574.92		-576.92		-578.92		-580.92		-582.92		-584.92		-586.92		-588.92		-590.92		-592.92		-594.92		-596.92		-598.92		-600.92		-602.92		-604.92		-606.92		-608.92		-610.92		-612.92		-614.92		-616.92		-618.92		-620.92		-622.92		-624.92		-626.92		-628.92		-630.92		-632.92		-634.92		-636.92		-638.92		-640.92		-642.92		-644.92		-646.92		-648.92		-650.92		-652.92		-654.92		-656.92		-658.92		-660.92		-662.92		-664.92		-666.92		-668.92		-670.92		-672.92		-674.92		-676.92		-678.92		-680.92		-682.92		-684.92		-686.92		-688.92		-690.92		-692.92		-694.92		-696.92		-698.92		-700.92		-702.92		-704.92		-706.92		-708.92		-710.92		-712.92		-714.92		-716.92		-718.92		-720.92		-722.92		-724.92		-726.92		-728.92		-730.92		-732.92		-734.92		-736.92		-738.92		-740.92		-742.92		-744.92		-746.92		-748.92		-750.92		-752.92		-754.92		-756.92		-758.92		-760.92		-762.92		-764.92		-766.92		-768.92		-770.92		-772.92		-774.92		-776.92		-778.92		-780.92		-782.92		-784.92		-786.92		-788.92		-790.92		-792.92		-794.92		-796.92		-798.92		-800.92		-802.92		-804.92		-806.92		-808.92		-810.92		-812.92		-814.92		-816.92		-818.92		-820.92		-822.92		-824.92		-826.92		-828.92		-830.92		-832.92		-834.92		-836.92		-838.92		-840.92		-842.92		-844.92		-846.92		-848.92		-850.92		-852.92		-854.92		-856.92		-858.92		-860.92		-862.92		-864.92		-866.92		-868.92		-870.92		-872.92		-874.92		-876.92		-878.92		-880.92		-882.92		-884.92		-886.92		-888.92		-890.92		-892.92		-894.92		-896.92		-898.92		-900.92		-902.92		-904.92		-906.92		-908.92		-910.92		-912.92		-914.92		-916.92		-918.92		-920.92		-922.92		-924.92		-926.92		-928.92		-930.92		-932.92		-934.92		-936.92		-938.92		-940.92		-942.92		-944.92		-946.92		-948.92		-950.92		-952.92		-954.92		-956.92		-958.92		-960.92		-962.92		-964.92		-966.92		-968.92		-970.92		-972.92		-974.92		-976.92		-978.92		-980.92		-982.92		-984.92		-986.92		-988.92		-990.92		-992.92		-994.92		-996.92		-998.92		-1000.92		-1002.92		-1004.92		-1006.92		-1008.92		-1010.92		-1012.92		-1014.92		-1016.92		-1018.92		-1020.92		-1022.92		-1024.92		-1026.92		-1028.92		-1030.92		-1032.92		-1034.92		-1036.92		-1038.92		-1040.92		-1042.92		-1044.92		-1046.92		-1048.92		-1050.92		-1052.92		-1054.92		-1056.92		-1058.92		-1060.92		-1062.92		-1064.92		-1066.92		-1068.92		-1070.92		-1072.92		-1074.92		-1076.92		-1078.92		-1080.92		-1082.92		-1084.92		-1086.92		-1088.92		-1090.92		-1092.92		-1094.92		-1096.92		-1098.92		-1100.92		-1102.92		-1104.92		-1106.92		-1108.92		-1110.92		-1112.92		-1114.92		-1116.92		-1118.92		-1120.92		-1122.92		-1124.92		-1126.92		-1128.92		-1130.92		-1132.92		-1134.92		-1136.92		-1138.92		-1140.92		-1142.92		-1144.92		-1146.92		-1148.92		-1150.92		-1152.92		-1154.92		-1156.92		-1158.92		-1160.92		-1162.92		-1164.92		-1166.92		-1168.92		-1170.92		-1172.92		-1174.92		-1176.92		-1178.92		-1180.92		-1182.92		-1184.92		-1186.92		-1188.92		-1190.92		-1192.92		-1194.92		-	

\*Lanthanide Series

† Actinide Series