

Periodic Table of Noble Gas Core Abbreviated Electron Configurations

1A		Symbol Noble Gas Core Abbreviated Electron Configuration															18 8A	
2 2A												13 3A	14 4A	15 5A	16 6A	17 7A		
H 1s ¹												B [He]2s ² 2p ¹	C [He]2s ² 2p ²	N [He]2s ² 2p ³	O [He]2s ² 2p ⁴	F [He]2s ² 2p ⁵	Ne [He]2s ² 2p ⁶	
Na [Ne]3s ¹	Mg [Ne]3s ²											Al [Ne]3s ² 3p ¹	Si [Ne]3s ² 3p ²	P [Ne]3s ² 3p ³	S [Ne]3s ² 3p ⁴	Cl [Ne]3s ² 3p ⁵	Ar [Ne]3s ² 3p ⁶	
		3 3B	4 4B	5 5B	6 6B	7 7B	8 8B			9	10	11 1B	12 2B					
K [Ar]4s ¹	Ca [Ar]4s ²	Sc [Ar]4s ² 3d ¹	Ti [Ar]4s ² 3d ²	V [Ar]4s ² 3d ³	Cr [Ar]4s ² 3d ⁴	Mn [Ar]4s ² 3d ⁵	Fe [Ar]4s ² 3d ⁶	Co [Ar]4s ² 3d ⁷	Ni [Ar]4s ² 3d ⁸	Cu [Ar]4s ² 3d ⁹	Zn [Ar]4s ² 3d ¹⁰	Ga [Ar]4s ² 3d ¹⁰ 4p ¹	Ge [Ar]4s ² 3d ¹⁰ 4p ²	As [Ar]4s ² 3d ¹⁰ 4p ³	Se [Ar]4s ² 3d ¹⁰ 4p ⁴	Br [Ar]4s ² 3d ¹⁰ 4p ⁵	Kr [Ar]4s ² 3d ¹⁰ 4p ⁶	
Rb [Kr]5s ¹	Sr [Kr]5s ²	Y [Kr]5s ² 4d ¹	Zr [Kr]5s ² 4d ²	Nb [Kr]5s ² 4d ³	Mo [Kr]5s ² 4d ⁴	Tc [Kr]5s ² 4d ⁵	Ru [Kr]5s ² 4d ⁶	Rh [Kr]5s ² 4d ⁷	Pd [Kr]5s ² 4d ⁸	Ag [Kr]5s ² 4d ⁹	Cd [Kr]5s ² 4d ¹⁰	In [Kr]5s ² 4d ¹⁰ 5p ¹	Sn [Kr]5s ² 4d ¹⁰ 5p ²	Sb [Kr]5s ² 4d ¹⁰ 5p ³	Te [Kr]5s ² 4d ¹⁰ 5p ⁴	I [Kr]5s ² 4d ¹⁰ 5p ⁵	Xe [Kr]5s ² 4d ¹⁰ 5p ⁶	
Cs [Xe]6s ¹	Ba [Xe]6s ²	Lu [Xe]6s ² 4f ¹⁴ 5d ¹	Hf [Xe]6s ² 4f ¹⁴ 5d ²	Ta [Xe]6s ² 4f ¹⁴ 5d ³	W [Xe]6s ² 4f ¹⁴ 5d ⁴	Re [Xe]6s ² 4f ¹⁴ 5d ⁵	Os [Xe]6s ² 4f ¹⁴ 5d ⁶	Ir [Xe]6s ² 4f ¹⁴ 5d ⁷	Pt [Xe]6s ² 4f ¹⁴ 5d ⁸	Au [Xe]6s ² 4f ¹⁴ 5d ⁹	Hg [Xe]6s ² 4f ¹⁴ 5d ¹⁰	Tl [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ¹	Pb [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ²	Bi [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ³	Po [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁴	At [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁵	Rn [Xe]6s ² 4f ¹⁴ 5d ¹⁰ 6p ⁶	
Fr [Rn]7s ¹	Ra [Rn]7s ²	Lr [Rn]7s ² 5f ¹⁴ 6d ¹	Rf [Rn]7s ² 5f ¹⁴ 6d ²	Db [Rn]7s ² 5f ¹⁴ 6d ³	Sg [Rn]7s ² 5f ¹⁴ 6d ⁴	Bh [Rn]7s ² 5f ¹⁴ 6d ⁵	Hs [Rn]7s ² 5f ¹⁴ 6d ⁶	Mt [Rn]7s ² 5f ¹⁴ 6d ⁷	Ds [Rn]7s ² 5f ¹⁴ 6d ⁸	Rg [Rn]7s ² 5f ¹⁴ 6d ⁹	Cn [Rn]7s ² 5f ¹⁴ 6d ¹⁰	Nh [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ¹	Fl [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ²	Mc [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ³	Lv [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁴	Ts [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁵	Og 1s ² 2s ² 2p ⁶ 3s ² [Rn]7s ² 5f ¹⁴ 6d ¹⁰ 7p ⁶	

La [Xe]6s ² 4f ¹	Ce [Xe]6s ² 4f ²	Pr [Xe]6s ² 4f ³	Nd [Xe]6s ² 4f ⁴	Pm [Xe]6s ² 4f ⁵	Sm [Xe]6s ² 4f ⁶	Eu [Xe]6s ² 4f ⁷	Gd [Xe]6s ² 4f ⁸	Tb [Xe]6s ² 4f ⁹	Dy [Xe]6s ² 4f ¹⁰	Ho [Xe]6s ² 4f ¹¹	Er [Xe]6s ² 4f ¹²	Tm [Xe]6s ² 4f ¹³	Yb [Xe]6s ² 4f ¹⁴	Lu
Ac [Rn]7s ² 5f ¹	Th [Rn]7s ² 5f ²	Pa [Rn]7s ² 5f ³	U [Rn]7s ² 5f ⁴	Np [Rn]7s ² 5f ⁵	Pu [Rn]7s ² 5f ⁶	Am [Rn]7s ² 5f ⁷	Cm [Rn]7s ² 5f ⁸	Bk [Rn]7s ² 5f ⁹	Cf [Rn]7s ² 5f ¹⁰	Es [Rn]7s ² 5f ¹¹	Fm [Rn]7s ² 5f ¹²	Md [Rn]7s ² 5f ¹³	No [Rn]7s ² 5f ¹⁴	Lr