

Periodic Table of the Elements

H																				He
																				$1s^2$
Li		Be												B	C	N	O	F	Ne	
$2s^1$		$2s^2$												$2s^22p^1$	$2s^22p^2$	$2s^22p^3$	$2s^22p^4$	$2s^22p^5$	$2s^22p^6$	
Na		Mg												Al	Si	P	S	Cl	Ar	
$3s^1$		$3s^2$												$3s^23p^1$	$3s^23p^2$	$3s^23p^3$	$3s^23p^4$	$3s^23p^5$	$3s^23p^6$	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr			
$4s^1$	$4s^2$	$4s^23d^1$	$4s^23d^2$	$4s^23d^3$	$4s^13d^5$	$4s^23d^5$	$4s^23d^6$	$4s^23d^7$	$4s^23d^8$	$4s^13d^{10}$	$4s^23d^{10}$	$4s^23d^{10}4p^1$	$4s^23d^{10}4p^2$	$4s^23d^{10}4p^3$	$4s^23d^{10}4p^4$	$4s^23d^{10}4p^5$	$4s^23d^{10}4p^6$			
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe			
$5s^1$	$5s^2$	$5s^24d^1$	$5s^24d^2$	$5s^14d^4$	$5s^14d^5$	$5s^24d^5$	$5s^14d^7$	$5s^14d^8$	$4d^{10}$	$5s^14d^{10}$	$5s^24d^{10}$	$5s^24d^{10}5p^1$	$5s^24d^{10}5p^2$	$5s^24d^{10}5p^3$	$5s^24d^{10}5p^4$	$5s^24d^{10}5p^5$	$5s^24d^{10}5p^6$			
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn			
$6s^1$	$6s^2$	$6s^25d^1$	$6s^24f^{14}5d^2$	$6s^24f^{14}5d^3$	$6s^24f^{14}5d^4$	$6s^24f^{14}5d^5$	$6s^24f^{14}5d^6$	$6s^24f^{14}5d^7$	$6s^14f^{14}5d^9$	$6s^14f^{14}5d^{10}$	$6s^24f^{14}5d^{10}$	$6s^24f^{14}5d^26p^1$	$6s^24f^{14}5d^26p^2$	$6s^24f^{14}5d^26p^3$	$6s^24f^{14}5d^26p^4$	$6s^24f^{14}5d^26p^5$	$6s^24f^{14}5d^26p^6$			
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uut	Uuq	Uuh	Uuo	Uuo	Uuo			
$7s^1$	$7s^2$	$7s^26d^1$	$7s^25f^{14}6d^2$	$7s^25f^{14}6d^3$	$7s^25f^{14}6d^4$	$7s^25f^{14}6d^5$	$7s^25f^{14}6d^6$	$7s^25f^{14}6d^7$	$7s^25f^{14}6d^8$	$7s^25f^{14}6d^9$	$7s^25f^{14}6d^{10}$	$7s^25f^{14}6d^{17}p^1$	$7s^25f^{14}6d^{17}p^2$	$7s^25f^{14}6d^{17}p^4$	$7s^25f^{14}6d^{17}p^6$	$7s^25f^{14}6d^{17}p^6$	$7s^25f^{14}6d^{17}p^6$			
			Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu				
			$6s^24f^{14}5d^1$	$6s^24f^3$	$6s^24f^4$	$6s^24f^5$	$6s^24f^6$	$6s^24f^7$	$6s^24f^75d^1$	$6s^24f^9$	$6s^24f^{10}$	$6s^24f^{11}$	$6s^24f^{12}$	$6s^24f^{13}$	$6s^24f^{14}$	$6s^24f^75d^1$				
			Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr				
			$7s^26d^2$	$7s^25f^26d^1$	$7s^25f^36d^1$	$7s^25f^46d^1$	$7s^25f^6$	$7s^25f^7$	$7s^25f^76d^1$	$7s^25f^9$	$7s^25f^{10}$	$7s^25f^{11}$	$7s^25f^{12}$	$7s^25f^{13}$	$7s^25f^{14}$	$7s^25f^46d^1$				