57 58 59 60 61 61 62 S9 90 91 92 93 94 Ac Th Pa U Np P	m Eu Gd Tb : 95 96 97 u Am Cm Bk	$_{ m osc}^{66} $	Sc Ti Sc Ti Y Zr 71 72 D Lu Hf 103 104 D Lr Rf	V Cr I Nb Mo Ta W 105 106 Db Sg	Mn Fe Co I 43 44 45 Tc Ru Rh I 75 76 77 Ir 107 108 109 1 Bh Hs Mt I	28 29 30 Ni Cu Zn 16 47 48 Pd Ag Cd 79 80 10 111 112 Os Rg Cn	5 6 C 13 14 Al Si 32 Ga Ge 49 50 In Sn 81 82 Tl Pb 113 114 Nh Fl I	7 8 0 16 16 P S 16 16 16 16 16 16 16 16 16 16 16 16 16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2p 2s 3d 3p 3s 4d 4p 4s 5d 5p 5s 6d 6p 6s 7d 7d 7d 7d 7d 7d 7d 7d 7d 7d	es 63 64 65 m Eu Gd Tb 1 n 96 97 u Am Cm Bk	$\stackrel{66}{ ext{D}} \stackrel{67}{ ext{Ho}} \stackrel{68}{ ext{Er}} \stackrel{69}{ ext{Tm}} \stackrel{70}{ ext{Yl}} \stackrel{70}{ ext{Ls}} \stackrel{100}{ ext{Es}} \stackrel{101}{ ext{Fm}} \stackrel{102}{ ext{Md}} \stackrel{102}{ ext{No}}$	Sc Ti Sc Ti 39 40 Y Zr 71 72 0 Lu Hf 103 104 0 Lr Rf	V Cr I Nb Mo 73 74 Ta W 105 106 Db Sg	${ m Mn}$ Fe Co I ${ m Mn}$ Fe Ru Rh Fo Si I I I Bh Hs Mt I	28 29 30 Ni Cu Zn 26 47 48 Qd Ag Cd 78 80 Pt Au Hg Os Rg Cn	5 6 B C C 13 14 Al Si 31 32 Ga Ge 49 50 II Sn 81 82 TI Pb 113 114 Nh Fl I	7 8 0 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
29 28 34 3p 38 44 4p 38 50 50 50 50 50 50 50 50 50 50 50 50 50	m Eu Gd Tb : 95 96 97 u Am Cm Bk	$\stackrel{66}{ ext{Dy}}$ $\stackrel{67}{ ext{Ho}}$ $\stackrel{68}{ ext{Er}}$ $\stackrel{69}{ ext{Tm}}$ $\stackrel{70}{ ext{Vl}}$ $\stackrel{99}{ ext{99}}$ $\stackrel{100}{ ext{100}}$ $\stackrel{101}{ ext{102}}$ $\stackrel{102}{ ext{Cf}}$ $\stackrel{68}{ ext{Es}}$ $\stackrel{Fm}{ ext{Md}}$ $\stackrel{No}{ ext{No}}$	Sc Ti Sc Ti 39 40 Y Zr 71 72 O Lu Hf 103 104 O Lr Rf	V Cr I V Cr I Nb Mo Ta W 105 106 Db Sg	Mn Fe Co I 43 44 45 Tc Ru Rh I 75 76 77 Re Os Ir I 107 108 109 1 Bh Hs Mt I	28 29 30 Ni Cu Zn 66 47 48 Pd Ag Cd 79 80 Pt Au Hg 10 111 112 Os Rg Cn	13 14 A 1 C;	7 8 N O 15 15 15 15 15 15 15 15 15 16 16 16 Lv	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
20 28 28 28 28 28 28 28 28 28 28 28 28 28	m Eu Gd Gb 1 95 96 97 u Am Cm Bk	$_{98}^{66}$ $_{99}^{67}$ $_{100}^{68}$ $_{101}^{69}$ $_{102}^{70}$ $_{102}^{70}$ $_{102}^{70}$ $_{103}^{70}$ $_{104}^{70}$ $_{104}^{70}$ $_{105}^{70}$ $_{$	Sc Ti 39 40 Y Zr 71 72 5 Lu Hf 103 104 5 Lr Rf	V Cr I Nb Mo 73 74 Ta W 105 106 Db Sg	Mn Fe Co I 43 44 45 I 7c Ru Rh I 75 76 77 Re Os Ir I 107 108 109 109 Bh Hs Mt I	28 29 30 Ni Cu Zn 16 47 48 Pd Ag Cd 79 80 Pt Au Hg 10 111 112 Os Rg Cn	5 C C 13 14 Al Si 31 32 Ga Ge 49 50 II Pb 113 114 Nh Fl I	7 8 0 16 16 17 18 18 18 18 18 19 10 11 11 11 11 11 11 11 11 11 11 11 11	$\begin{array}{cccccccccccccccccccccccccccccccccccc$