

■ Bromo = Br = 35  $n = 4$   $l = 1$   $ml = 0$   $ms = -1/2$

$1s^2$   $2s^2$   $2p^6$   $3s^2$   $3p^6$   $4s^2$   $3d^{10}$   $4p^0$

$\frac{\uparrow\downarrow}{-1}$   $\frac{\uparrow\downarrow}{0}$   $\frac{\uparrow}{+1}$

■ magnesio = Mg = 12  $n = 3$   $l = 0$   $ml = 0$   $ms = -1/2$

$1s^2$ ,  $2s^2$ ,  $2p^6$ ,  $3s^2$

$\frac{\uparrow\downarrow}{0}$

■ Calcio = Ca = 20  $n = 4$   $l = 0$   $ml = 0$   $ms = -1/2$

$1s^2$ ,  $2s^2$ ,  $2p^6$ ,  $3s^2$ ,  $3p^6$ ,  $4s^2$ ,

$\frac{\uparrow\downarrow}{0}$

■ Oro = Au = 79  $n = 5$   $l = 2$   $ml = +1$   $ms = -1/2$

$1s^2$ ,  $2s^2$ ,  $2p^6$ ,  $3s^2$ ,  $3p^6$ ,  $4s^2$ ,  $3d^{10}$ ,  $4p^6$ ,  $5s^2$ ,  $4d^{10}$ ,  $5p^6$

$6s^2$ ,  $4f^{14}$ ,  $5d^9$

$\frac{\uparrow\downarrow}{-2}$   $\frac{\uparrow\downarrow}{-1}$   $\frac{\uparrow\downarrow}{0}$   $\frac{\uparrow\downarrow}{+1}$   $\frac{\uparrow}{+2}$

■ plata = Ag = 47  $n = 4$   $l = 2$   $ml = +1$   $ms = +1/2$

$1s^2$ ,  $2s^2$ ,  $2p^6$ ,  $3s^2$ ,  $3p^6$ ,  $4s^2$ ,  $3d^{10}$ ,  $4p^6$ ,  $5s^2$ ,  $4d^9$



$$\frac{\uparrow \downarrow}{-2}$$

$$\frac{\uparrow \downarrow}{-1}$$

$$\frac{\uparrow \downarrow}{0}$$

$$\frac{\uparrow \downarrow}{+1}$$

$$\frac{\uparrow}{+2}$$