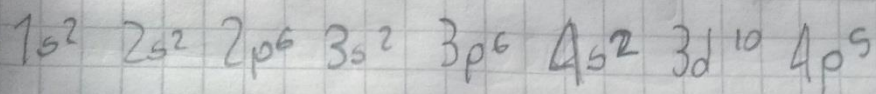


Solución

1. Bromo (Br): 35



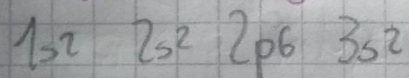
$n: 4$

$l: 1$

$m_l: 0$

$m_s: -1/2$

Magnesio (Mg): 12



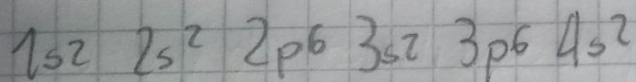
$n: 3$

$l: 0$

$m_l: 0$

$m_s: -1/2$

3. Calcio (Ca): 20



$n: 4$

$l: 0$

$m_l: 0$

$m_s: -1/2$

A. Oro (Au): 79

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2$
 $4f^{14} 5d^9$

$n: 5$

$l: 2$

$m_l: +1$

$m_s: -1/2$

S. Plata (Ag): 47

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

$n: 4$

$l: 2$

$m_l: +1$

$m_s: -1/2$