

Bromo $Z=35$

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

$n=4 \quad l=0 \quad m_l = -1 \quad m_s = -1/2$

Magnecio $Z=12$

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

$n=3 \quad l=0 \quad m_l = 0 \quad m_s = -1/2$

Cloro $Z=17$

$1s^2, 2s^2, 2p^6, 3s^2, 3p^5$

$n=3 \quad l=1 \quad m_l = +1 \quad m_s = +1/2$

Oro $Z=79$

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

$n=5 \quad l=2 \quad m_l = -1 \quad m_s = -1/2$

plata $Z=47$

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

$n=4 \quad l=2 \quad m_l = 2 \quad m_s = -1/2$