

f9r e9:

Bromo (Br) = 35

Magnesio (Mg) = 12

Calcio (Ca) = 20

Oro (Au) = 79

Plata (Ag) = 47

Bromo (Br)

$Z = 35$

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

$n = 4 \quad l = 1 \quad ml = 0 \quad ms = -1/2$

Magnesio (Mg)

$Z = 12$

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

$n = 3 \quad l = 0 \quad ml = 0 \quad ms = -1/2$

CaCl₂ (aq)

$$Z = 20$$

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

$$n = 4 \quad L = 0 \quad ML = 0 \quad MS = -1/2$$

Cr³⁺ (aq)

$$Z = 24$$

$$Z = 1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^2, 3d^5, 4p^6, 5s^2, 4d^1, 5p^6, 6s^2, 4f^14, 5d^9$$

$$n = 5 \quad L = 2 \quad ML = +1 \quad MS = -1/2$$

P³⁺ (aq)

$$Z = 15$$

$$Z = 1s^2, 2s^2, 2p^6, 3s^2, 3p^6, 4s^2, 3d^10, 4p^6, 5s^2, 4d^9$$

$$n = 4 \quad L = 2 \quad ML = +1 \quad MS = -1/2$$