

24a. $2p^6$ before $3s$

b. $2p$ before $3s$

c. $3d^{10}$ before $4p$

28f. $1s^2 2s^2 2p^3$

g. $1s^2 2s^2 2p^6 3s^2 3p^5$

h. $1s^2 2s^2 2p^6 3s^2 3p^4$

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

30a. $[\text{Ne}]3s^2 3p^1$

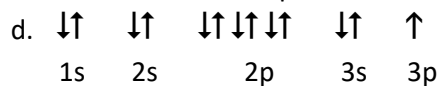
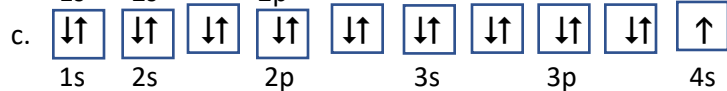
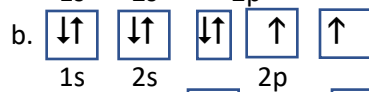
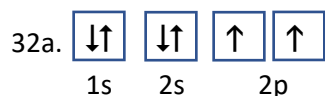
b. $[\text{Ar}]4s^2 3d^{10} 4p^1$

c. $[\text{Kr}]5s^2 4d^2$

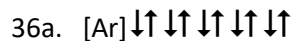
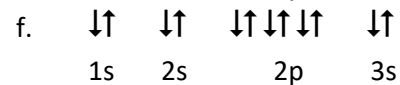
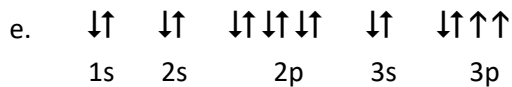
d. $[\text{Kr}]5s^2 4d^{10} 5p^5$

e. $[\text{Ar}]4s^2 3d^{10} 4p^3$

f. $[\text{Xe}]6s^2$



There should be boxes around the arrows in orbitals. I am omitting as they are very time consuming to word process. See examples in a,b,and c.



$3d$

The valence electrons are lost.