

## Common Transition Metal Ions

### +1 Ions

*silver*  $\text{Ag}^{+1}$

*copper I*  $\text{Cu}^{+1}$

### +2 Ions

*cadmium*  $\text{Cd}^{+2}$

*cobalt II*  $\text{Co}^{+2}$

*chromium II*  $\text{Cr}^{+2}$

*copper II*  $\text{Cu}^{+2}$

*iron II*  $\text{Fe}^{+2}$

*lead II*  $\text{Pb}^{+2}$

*manganese II*  
 $\text{Mn}^{+2}$

*mercury II*  $\text{Hg}^{+2}$

*nickel*  $\text{Ni}^{+2}$

*tin II*  $\text{Sn}^{+2}$

*zinc*  $\text{Zn}^{+2}$

### +3 Ions

*cobalt III*  $\text{Co}^{+3}$

*chromium III*  $\text{Cr}^{+3}$

*iron III*  $\text{Fe}^{+3}$

*manganese III*  
 $\text{Mn}^{+3}$

*scandium*  $\text{Sc}^{+3}$

### +4 Ions

*lead IV*  $\text{Pb}^{+4}$

*tin IV*  $\text{Sn}^{+4}$