

Basics H_2O , Sb_2O_3 , H^+ , CrO_4^{2-} , AgCl_2^- , $[\text{AgCl}_2]^-$, Y^{99+} , $\text{H}_{2(\text{aq})}$, NO_3^- , $(\text{NH}_4)_2\text{S}$

Amounts $2\text{H}_2\text{O}$, $\frac{1}{2}\text{H}_2\text{O}$

Isotopes $^{227}_{90}\text{Th}^+$

Special Symbols $\text{KCr}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$, $[\text{Cd}\{\text{SC}(\text{NH}_2)_2\}_2] \cdot [\text{Cr}(\text{SCN})_4(\text{NH}_3)_2]_2$, RNO_2^- , RNO_2^- , $\mu\text{-Cl}$

Bonds $\text{C}_6\text{H}_5\text{-CHO}$, A-B=C=D , $\text{A}\cdots\text{B}=\text{C}$, $\text{A}\equiv\text{B}=\text{C}=\text{D}$, $\text{A}\cdots\text{B}\cdots\text{C}$, $\text{A}\rightarrow\text{B}\leftarrow\text{C}$

Using Math $\text{Fe}(\text{CN})_{\frac{6}{2}}$, $x\text{Na}(\text{NH}_4)\text{HPO}_4 \xrightarrow{\Delta} (\text{NaPO}_3)_x + x\text{NH}_3\uparrow + x\text{H}_2\text{O}$

Reaction Arrows $\text{CO}_2 + \text{C} \longrightarrow 2\text{CO}$, $\text{CO}_2 + \text{C} \longleftarrow 2\text{CO}$, $\text{CO}_2 + \text{C} \rightleftharpoons 2\text{CO}$, $\text{H}^+ + \text{OH}^- \rightleftharpoons \text{H}_2\text{O}$, $\text{A} \longleftrightarrow \text{A}$, $\text{CO}_2 + \text{C} \xrightarrow{\alpha} 2\text{CO}$, $\text{CO}_2 + \text{C} \xrightarrow[\beta]{\alpha} 2\text{CO}$, $\text{CO}_2 + \text{C} \xrightarrow[\text{below}]{\text{above}} 2\text{CO}$, $\text{A} \xrightarrow{+\text{H}_2\text{O}} \text{B}$

Precipitate and Gas $\text{SO}_4^{2-} + \text{Ba}^{2+} \longrightarrow \text{BaSO}_4\downarrow$, $\text{Zn} + \text{H}_2\text{SO}_4 \longrightarrow \text{ZnSO}_4 + \text{H}_2\uparrow$

Extra Examples $\text{Zn}^{2+} \xrightleftharpoons[+2\text{H}^+]{+2\text{OH}^-} \underset{\text{amphoterer Hydroxid}}{\text{Zn}(\text{OH})_2\downarrow} \xrightleftharpoons[+2\text{H}^+]{+2\text{OH}^-} \underset{\text{Hydroxozikat}}{[\text{Zn}(\text{OH})_4]^{2-}}$, $K = \frac{[\text{Hg}^{2+}][\text{Hg}]}{[\text{Hg}_2^{2+}]}$, $\text{Hg}^{2+} \xrightarrow{\text{I}^-} \underset{\text{red}}{\text{HgI}_2} \xrightarrow{\text{I}^-} \underset{\text{red}}{[\text{Hg}^{\text{II}}\text{I}_4]^{2-}}$