

## ANSWERS TO BALANCING PRACTICE #1

- $\text{KCl} + \text{AgNO}_3 \rightarrow \text{KNO}_3 + \text{AgCl}$   
double displacement
- $\text{Al(OH)}_3 + 3\text{NaNO}_3 \rightarrow \text{Al(NO}_3)_3 + 3\text{NaOH}$   
double displacement
- $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$   
single displacement
- $2\text{Al} + 3\text{CuCl}_2 \rightarrow 2\text{AlCl}_3 + 3\text{Cu}$   
single displacement
- $2\text{NaClO}_3 \rightarrow 2\text{NaCl} + 3\text{O}_2$   
decomposition
- $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$   
decomposition
- $2\text{Zn} + \text{O}_2 \rightarrow 2\text{ZnO}$   
synthesis (combination)
- $\text{Cl}_2 + 2\text{Na} \rightarrow 2\text{NaCl}$   
synthesis (combination)
- $\text{Al}_2(\text{SO}_4)_3 + 3\text{BaCl}_2 \rightarrow 2\text{AlCl}_3 + 3\text{BaSO}_4$   
double displacement
- $\text{BeF}_2 + \text{Mg} \rightarrow \text{MgF}_2 + \text{Be}$   
single displacement