

Steps to Predicting Products

1. **Write out reactants** as formulas, balancing charges correctly (know your ions...) using subscripts
2. **Identify type of reaction** as synthesis, decomp, combustion, single replacement, or double replacement
3. **Predict products** based on type of reaction identified
4. **Write products correctly** by balancing charges using subscripts
5. **Balance** your reaction using coefficients
6. *For single replacement reactions, use an **activity series** to determine if reaction will actually take place
7. **For single and double replacement reactions, must write them in **NET IONIC** using solubility rules when requested

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