

CHAPTER OVERVIEW

6: Quantitative Relationships in Chemistry

With the background that we have built in this course, thus far, we can now approach a more quantitative view of chemistry. While the notion of chemistry and math (together in the same room) may make you want to scream, we will see in this chapter that concepts such as chemical stoichiometry and mass balance are not overwhelming and can be approached using the same problem-solving algorithms that we have mastered in previous chapters. Once the concept of stoichiometric balance has been mastered, we will finally tackle limiting reactants. Limiting reactant problems may appear challenging, but we will see it is the same calculation that we do routinely... we simply have to do the calculations twice.

[6.1: An Introduction to Stoichiometry](#)

[6.2: Molar Stoichiometry in Chemical Equations](#)

[6.3: Mass Calculations](#)

[6.4: Percentage Yield](#)

[6.5: Limiting Reactants](#)

[6.S: Quantitative Relationships in Chemistry \(Summary\)](#)

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