

CHAPTER OVERVIEW

5: Chemical Reactions- Making Materials Safely and Sustainable

“The materials that we make and the ways that we make them have an enormous impact on Earth’s environment. Much of green chemistry has to do with making materials safely and sustainably.”

- 5.1: Describing What Happens with Chemical Equations
 - 5.2: Balancing Chemical Equations
 - 5.3: Just Because You Can Write It Doesn't Mean That It Will Happen
 - 5.4: Yield And Atom Economy in Chemical Reactions
 - 5.5: Catalysts That Make Reactions Go
 - 5.6: Kinds of Chemical Reactions
 - 5.7: Oxidation-Reduction Reactions and Green Chemistry
 - 5.8: Quantitative Information from Chemical Reactions
 - 5.9: Energy in Chemical Reactions
 - 5.10: Stoichiometry by the Mole Ratio Method
 - 5.11: Limiting Reactant and Percent Yield
 - 5.12: Titrations - Measuring Moles by Volume of Solution
 - 5.13: Industrial Chemical Reactions - The Solvay Process
- Questions and Problems

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