

CHM 100
Chapter 6 Study Guide / Learning Objectives

Chapter 6 in your textbook is primarily concerned with chemical equations. Chemical equations are equivalent to the recipes in cookbooks. We discussed how to interpret and "balance" chemical equations.

At the end of this chapter, you should be able to...

[Terminology]

- Define terms related to chemical equations: **reactant**, **product**, **chemical equation**, **coefficient**, **catalyst**

[Chemical equations]

- **Balance** a chemical equation, given an unbalanced equation.
- Write correct **phase labels** (to indicate the physical states of reactants and products) on a given chemical equation.
- Indicate properly that **heat** or a **catalyst** is required to cause a given chemical reaction.
- Recognize that the **coefficients** of a chemical equation indicate the number of formula units of a substance that take part in a reaction.
- Write a chemical equation from a description of a chemical process.

[Practice]

- (p159-164) Q&P 4, 6, 10, 12, 14, 26, 38, 40, 44