## CHAPTER 14 STUDY GUIDE

### Mixtures and Solutions

#### Section 14.1 Heterogeneous and Homogeneous Mixtures

In your textbook, read about suspensions and colloids.

For each statement below, write true or false.

- A solution is a mixture containing particles that settle out of the mixture if left undisturbed.
- 2. The most abundant substance in a colloid is the dispersion medium.
- 3. A colloid can be separated by filtration.
- 4. A solid emulsion consists of a liquid dispersed in a solid.
- 5. Whipped cream is an example of a foam.
- 6. In an aerosol, the dispersing medium is a liquid.
- Brownian motion results from the collisions of particles of the dispersion medium with the dispersed particles.
  - Dispersed particles in a colloid do not tend to settle out because they have polar or charged atomic groups on their surfaces.
- Stirring an electrolyte into a colloid stabilizes the colloid.
- Colloids demonstrate the Tyndall effect.

The table below lists the characteristics of particles in colloids, solutions, and suspensions. Place a check in the column of each mixture whose particles have a particular characteristic.

Characteristics of Particles	Colloid	Solution	Suspension
11. Less than 1 nm in diameter			
12. Between 1 nm and 1000 nm in diameter			
13. More than 1000 nm in diameter			
14. Settle out if undisturbed			
15. Pass through standard filter paper			
16. Lower vapor pressure			
17. Scatter light			

# **Chapter 1study Guide For Content Mastery Stoichiometry**

**Glencoe/McGraw-Hill** 

#### **Chapter 1study Guide For Content Mastery Stoichiometry:**

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This book delves into Chapter 1study Guide For Content Mastery Stoichiometry. Chapter 1study Guide For Content Mastery Stoichiometry is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Chapter 1study Guide For Content Mastery Stoichiometry, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to Chapter 1study Guide For Content Mastery Stoichiometry
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  - o Chapter 3: Chapter 1study Guide For Content Mastery Stoichiometry in Everyday Life
  - Chapter 4: Chapter 1study Guide For Content Mastery Stoichiometry in Specific Contexts
  - $\circ$  Chapter 5: Conclusion
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- 4. In chapter 3, the author will examine the practical applications of Chapter 1study Guide For Content Mastery Stoichiometry in daily life. This chapter will showcase real-world examples of how Chapter 1study Guide For Content Mastery Stoichiometry can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Chapter 1study Guide For Content Mastery Stoichiometry in specific contexts. This chapter will explore how Chapter 1study Guide For Content Mastery Stoichiometry is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, the author will draw a conclusion about Chapter 1study Guide For Content Mastery Stoichiometry. The final chapter will summarize the key points that have been discussed throughout the book.
  - The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Chapter 1study Guide For Content Mastery Stoichiometry.

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