

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*.

- _____ 1. 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.
- _____ 7. Brownian motion results from the collisions of particles of the dispersion medium with the dispersed particles.
- _____ 8. Dispersed particles in a colloid do not tend to settle out because they have polar or charged atomic groups on their surfaces.
- _____ 9. Stirring an electrolyte into a colloid stabilizes the colloid.
- _____ 10. 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			

Mixtures And Solutions Study Guide Answers Chemistry

A Gutmann



Mixtures And Solutions Study Guide Answers Chemistry:

This book delves into Mixtures And Solutions Study Guide Answers Chemistry. Mixtures And Solutions Study Guide Answers Chemistry is a crucial topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Mixtures And Solutions Study Guide Answers Chemistry, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Mixtures And Solutions Study Guide Answers Chemistry
 - Chapter 2: Essential Elements of Mixtures And Solutions Study Guide Answers Chemistry
 - Chapter 3: Mixtures And Solutions Study Guide Answers Chemistry in Everyday Life
 - Chapter 4: Mixtures And Solutions Study Guide Answers Chemistry in Specific Contexts
 - Chapter 5: Conclusion
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