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.
- 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 acrosol, 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.
- 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 Answer Key

Puja Mehta

Mixtures And Solutions Study Guide Answer Key:

Study Guide and Full Solutions Manual Susan McMurry, John McMurry, 2002-08 Contains a brief overview of every chapter review of skills self tests and the answers and detailed solutions to all end of chapter problems in the textbook

Student Study Guide and Solutions Manual to Accompany General, Organic, and Biochemistry Katherine J.

Denniston, Denniston Katherine, 2006 Study Guide with Selected Solutions Karen Timberlake, 2002-08-06 Written by the author the Study Guide is keyed to the learning goals in the text and designed to promote active learning through a variety of exercises with answers and mastery exams Also contains complete solutions to odd numbered problems

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