# **HOMOGENEOUS AQUEOUS SYSTEMS**

# Section Review

## Objectives

- · Distinguish between a solvent and a solute
- · Describe what happens in the solution process
- · Explain why all ionic compounds are electrolytes
- Demonstrate how to write the formula for a hydrate

#### Vocabulary

- aqueous solution
- solvent
- solute

- solvation.
- electrolyte
- monelectrolyte

- strong electrolyte
- weak electrolyte
- hydrate.

#### **Key Equation**

Percent H<sub>2</sub>O = mass of water x 100%

mass of bydrate

#### Part A Completion

Use this completion exercise to check your understanding of the concepts and terms that are introduced in this section. Each blank can be completed with a term, short phrase, or number.

Water is a polar liquid and an excellent \_\_\_\_\_\_ for many substances. Aqueous solutions are \_\_\_\_\_\_ mixtures of ions or molecules in water. The solubility of a solute depends on solute-

solvent interactions. A good rule to remember is \_\_\_\_3\_\_.

Substances that dissolve as ions are known as \_\_4\_\_ A solute that is completely ionized in solution is a \_\_5\_ electrolyte. A weak electrolyte is only \_\_6\_\_ ionized. A solution of an electrolyte will \_\_7\_\_ an electric current, whereas a

solution of a \_\_\_\_8 \_\_ is nonconducting.

Many crystals are \_\_\_\_\_\_; they contain water of hydration.

In the process called \_\_\_\_\_\_\_, the water of hydration is lost from a

hydrate that is exposed to air.

3.

4-

5. \_\_\_\_\_

6. \_\_\_\_

7.

8. \_\_\_\_\_

10

# Answers For Homogeneous Aqueous Systems Section Review

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**Answers For Homogeneous Aqueous Systems Section Review:** 

Unveiling the Magic of Words: A Overview of "Answers For Homogeneous Aqueous Systems Section Review"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly aweinspiring. Enter the realm of "Answers For Homogeneous Aqueous Systems Section Review," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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