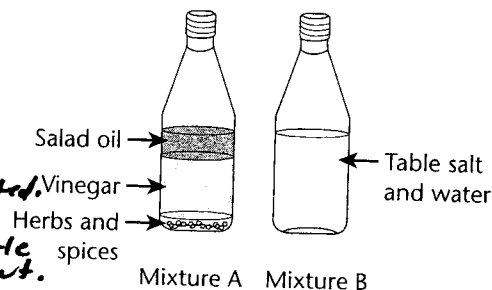


SECTION 19-1 REVIEW AND REINFORCE

Working With Solutions

◆ Understanding Main Ideas

Study the two mixtures shown at right, then answer Questions 1 and 2 on a separate sheet of paper.



1. Is mixture A a suspension or a solution? Explain.
Particles are visible and they have separated.
2. Is mixture B a suspension or a solution? Explain.
Particles too small to see and won't settle out.
3. What are two factors that affect the solubility of a particular solute? *Solvent and temperature*
4. What effect does a solute have on the freezing and boiling points of a solvent?
Lower freezing point and raise the boiling point.

◆ Building Vocabulary

From the list below, choose the term that best completes each sentence.

- | | | |
|------------|--------------------|-----------------------|
| suspension | solution | solvent |
| solute | dilute solution | concentrated solution |
| solubility | saturated solution | unsaturated solution |

5. The part of a solution that is present in the smaller amount is the Solute.
6. The part of a solution that is present in the larger amount is the Solubility. Solvent
7. Solubility is a measure of how well a solute can dissolve at a given temperature.
8. Additional solute will not dissolve in a(n) Saturated Solution
9. Additional solute will dissolve in a(n) Unsaturated Solution
10. A mixture in which particles can be seen and easily separated by settling or filtration is called a(n) Suspension.
11. A mixture in which the particles cannot be separated by settling or filtration is called a(n) Solution.
12. A(n) dilute solution has only a little solute dissolved in a solvent, but a(n) concentrated solution has a lot of solute dissolved in a solvent.