Name _____ Date _____

Study Gui

What Are Solutions and Mixtures?

Main Idea Some mixtures are uniform, meaning they are evenly mixed. Other mixtures have different amounts of materials in different places. Mixtures that are evenly mixed at the molecular level are called solutions.

Fill in the blanks with words from the box below.

solute	solution	mixture
solvent	heterogeneous mixture	homogeneous mixture
alloy		

1. The physical combination of two or more substances is called a(n) _____. (page E60)

2. In a(n) _____, the materials that make up the mixture are distributed unevenly. (page E60)

3. A mixture that is uniform throughout is a(n) _____. (page E60)

4. A(n) _____ is a homogeneous mixture. (page E62)

5. The substance being dissolved in a solution is the _____. (page E62)

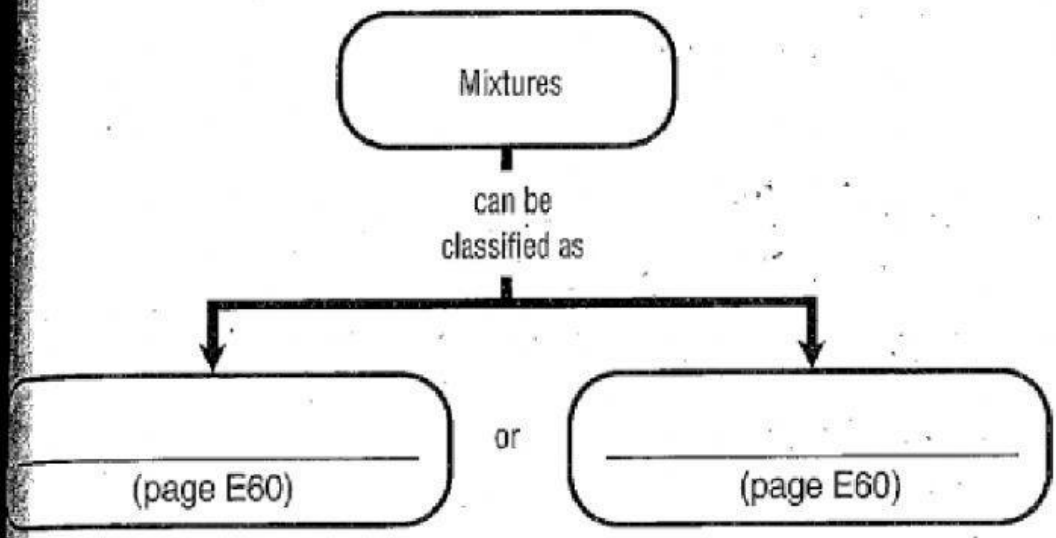
6. The _____ is the substance that dissolves the solute. (page E62)

7. A(n) _____ is a mixture of two or more metals. (page E64)

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Complete the following diagram.



Underline the term in parentheses that correctly completes each statement.

9. In a mixture, each substance (keeps its original, has new) properties. (page E61)

10. Mixtures can be separated according to (different, similar) properties. (page E61)

11. In a sugar-water solution, the (sugar, water) is the solvent. (page E62)

12. Solutions (must, do not have to) be made up of a liquid solvent and solid solute. (page E62)

13. You can often allow a liquid solvent to (evaporate, freeze), leaving the solute behind. (page E63)

14. Alloys are made up of two or more (liquids, metals). (page E64)

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