Formative Assessment

Solutions, Solubility & Concentration

Grade 7 Science

Name: _____ **Date:** _____

Read each item carefully. Write your answers on the blanks or spaces provided. Show complete solutions for all computation problems.

Part I. Vocabulary Matching *(10 points)*

Write the letter of the correct definition (Column B) on the blank before each term (Column A).

Column A	Column B
_____ 1. Solute	a. The rapid escape of a gas from a liquid
_____ 2. Solvent	b. Liquids that mix completely with each other
_____ 3. Saturated Solution	c. A measure of how much solute is dissolved in a given amount of solvent or solution
_____ 4. Unsaturated Solution	d. The substance present in a smaller amount that gets dissolved
_____ 5. Supersaturated Solution	e. A solution holding more dissolved solute than is normally possible at that temperature
_____ 6. Miscible	f. Liquids that do not mix and separate into layers
_____ 7. Immiscible	g. The substance present in larger amount that does the dissolving
_____ 8. Solubility	h. A solution that contains less dissolved solute than it could hold
_____ 9. Concentration	i. The maximum amount of solute that can dissolve in a given amount of solvent at a specific temperature
_____ 10. Effervescence	j. The ability of a substance to dissolve in another substance to form a solution.

Part II. Identify the Solute and Solvent *(10 points)*

Complete the table below by identifying the solute and solvent in each sample.

Sample Solution	Solute	Solvent
Hot Coffee		
Soda		
Vinegar		
Air		
Bronze		

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