

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		