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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Solubility crossword

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | 1  P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2  S | O | L | U | T | I | O | N |  |  |  |  |  |  |  |  |
|  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |  |  | 3  L |  |  |
|  |  |  |  |  | A |  |  |  |  |  |  |  |  |  |  |  | I |  |  |
|  |  |  |  |  | R |  | 4  S |  |  |  |  |  |  |  |  |  | K |  |  |
|  |  | 5  D |  | 6  D | I | L | U | T | E |  | 7  S | O | L | U | B | L | E |  |  |
|  |  | I |  |  | T |  | P |  |  |  |  |  |  |  |  |  | D |  |  |
|  |  | L |  |  | Y |  | E |  | 8  M |  |  | 9  S |  |  | 10  I |  | I |  |  |
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|  |  | T |  |  | 11  I | N | S | O | L | U | B | L | E |  | S |  | S |  |  |
|  |  | I |  |  |  |  | A |  | A |  |  | V |  |  | O |  | O |  |  |
|  |  | O |  |  |  |  | T |  | R |  |  | A |  |  | L |  | L |  |  |
|  |  | N |  | 12  S | O | L | U | B | I | L | I | T | Y | C | U | R | V | E |  |
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|  |  |  | 13  S | O | L | U | T | E |  |  |  | N |  |  | E |  | L |  |  |
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| **Across**  **2.** A homogenous mixture consisting of a solute dissolved in a solvent; can be any combination of solids, liquids, and/or gases  **6.** Describes a solution that has a relatively small amount of dissolved solute  **7.** Can be dissolved by a particular solvent  **11.** Cannot be dissolved by a particular solvent  **12.** A graph showing the solubility of a substance at various temperatures  **13.** In a solution, this is the substance being dissolved  **14.** A solution that contains less solute than it is capable of dissolving at a given temperature | **Down**  **1.** Exists when a molecule has a clustering of negative charge on one side due to unequal sharing of electrons  **3.** Nonpolar solvents can only dissolve nonpolar solutes; Polar solvents can only dissolve polar or ionic solutes  **4.** A solution that contains more solute than it is capable of dissolving at a given temperature  **5.** The process of adding more solvent to a solution in order to make it less concentrated  **8.** The # of moles of solute in 1.0 liter of solution  **9.** Solvent particles surround solute paricles  **10.** In a solution, this is the substance doing the dissolving |

   Solute       Solution       Dilute       Solubilitycurve       Insoluble       Soluble       Solvation       Insoluble       Like Dissolves Like       Unsaturated       Polarity       Dilution        Molarity       Supersaturated