

Solubility

Date



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| | plank if the statement is true. If the statement is false, replace the italicized word the statement true. Write this new word in the blank. |
| | 1. In the water molecule, electrons are <i>equally</i> shared by hydrogen atoms and oxygen atoms. |
| | 2. Solutions for which water is the solvent are called <i>aqueous</i> solutions. |
| | 3. If electrons are shared <i>equally</i> between atoms that compose a molecule, that molecule is said to be polar. |
| | 4. Water readily dissolves most <i>polar</i> compounds. |
| | 5. Table salt, NaCl, is a <i>molecular</i> compound. |
| | 6. In an <i>ionic</i> compound, one or more atoms loses electrons, and one or more atoms gains electrons. |
| | 7. In solution, the charged regions of water molecules can pull a(n) ionic compound apart. |
| | 8. Chemists say, "Like dissolves like." This means that dissolution tends to occur when the <i>solid</i> and the solute are similar in nature. |
| | 9. Most oils tend to dissolve best in <i>nonpolar</i> solvents. |
| | 10. Solubility tells you how <i>fast</i> a solute will dissolve. |
| | ing questions on the lines provided. a substance usually described? |
| 12. What is an unsaturated | solution? |
| 13. How can a solution bec | ome supersaturated? |
| 14. What happens if you co | ntinue to add solute to a saturated solution? |
| 15. Can pressure affect the | solubility of a substance in solution? Explain. |

16. How does temperature affect the solubility of a solute in solvent?