



Name: \_\_\_\_\_  
Date Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_ Score: \_\_\_\_\_

### Learning Activity Sheet Saturated and Unsaturated Solutions

**A. Directions:** Choose the letter of the correct answer. Write your answer in the space provided before each number.

- \_\_\_\_\_ 1. What are the components of a solution?  
A. solid and liquid                      C. solute and solvent  
B. water and sugar                      D. solute and solution
- \_\_\_\_\_ 2. You were given a sample of salt solution. You noticed that even if you added more salt into this solution, the added salt still dissolved in the solution. What do you call this solution?  
A. saturated                              C. semi-saturated  
B. unsaturated                              D. supersaturated
- \_\_\_\_\_ 3. Which of the following best describes a solvent?  
A. a substance that dissolves in another substance  
B. a substance into which another substance dissolves  
C. the ability of a substance to dissolve in another substance  
D. a mixture in which the substances are spread out evenly between one another and cannot be told apart
- \_\_\_\_\_ 4. A rock candy is an example of a solution that contains more solute than it can hold. What type of solution is a rock candy?  
A. saturated  
B. unsaturated  
C. semi-saturated  
D. supersaturated
- \_\_\_\_\_ 5. Which of the following solutions have the tendency to produce crystals?  
A. saturated solutions  
B. incomplete solutions  
C. unsaturated solutions  
D. supersaturated solutions

**B. Directions:** Write **True** if the statement is correct. If the statement is wrong, write **False**. Write your answer in the space provided.

- \_\_\_\_\_ 1. A solution is an example of a heterogeneous mixture.
- \_\_\_\_\_ 2. Solvents are the components of mixtures that dissolve in a solute.
- \_\_\_\_\_ 3. Immiscible liquids can mix together.
- \_\_\_\_\_ 4. Saturated solutions have more than the maximum amount of solute that can dissolve in a provided amount of solvent.
- \_\_\_\_\_ 5. Solutes that have smaller particle size have greater solubility.