SOLUBILITY LAB WORKSHEET

FOR TEACHERS

1. Draw your observations. Try to show the difference in the amount of crystal remaining in each cup.

Results may vary

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 SALT Epsom Salt MSG Sugar Unknown

2. Based on the amount of crystal remaining in each cup, do you have enough information to identify the unknown?

 Yes, based on the similar results the unknown substance have with salt, the unknown substance may be salt

3. Which crystals are probably not the unknown?

Sugar, MSG, and Epsom salt are probably not the unknown

Explain how your observations lead you to this conclusion.

Answer may vary due to the different factors and experiments

4. With the information you have so far, what might be the identity of the unknown?

SALT

5. How do you know when a solution is saturated

The solution is saturated when no more solute dissolves in the solvent.

6. The difference between a mixture and a solution?

A mixture is a combination of substances which are not chemically joined together. A solution is a mixture in which other substances (solutes) are dissolved.

Give an example each for mixture and solution.

Mixture: sugar and salt

Solution: salt in water.

7. What in this lab activity that you will change to make this more interesting and educational?

Answer may vary