Solubility and the Scientific Method

Name: _____

Group: _____

Submitted by Rebecca Citrin and Emily Crossette, LaFayette College, PA

Define Soluble: _____

Define Insoluble: _____

Problem:

_____

_____

What do we already know? Do you have any experience with these substances dissolved in water?

_____

_____

_____

_____

Hypothesis:

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Experiment Procedure:

1.) Add a spoonful of each substance into a labeled cup.
2.) Add water up to the marked line on the side of the cup.
3.) Stir the substance with the Popsicle stick.
4.) Draw, to the best of your abilities, what you see in the cups after each group member has a turn mixing the substances in the water.
5.) On the next page with your drawings:
    a. Circle the names of the substances that dissolved in red.
    b. Circle the names of the substances the partially dissolved in green.
    c. Circle the names of the substances that did not dissolve in blue.
    d. Color the boxes in the key with the appropriate color.

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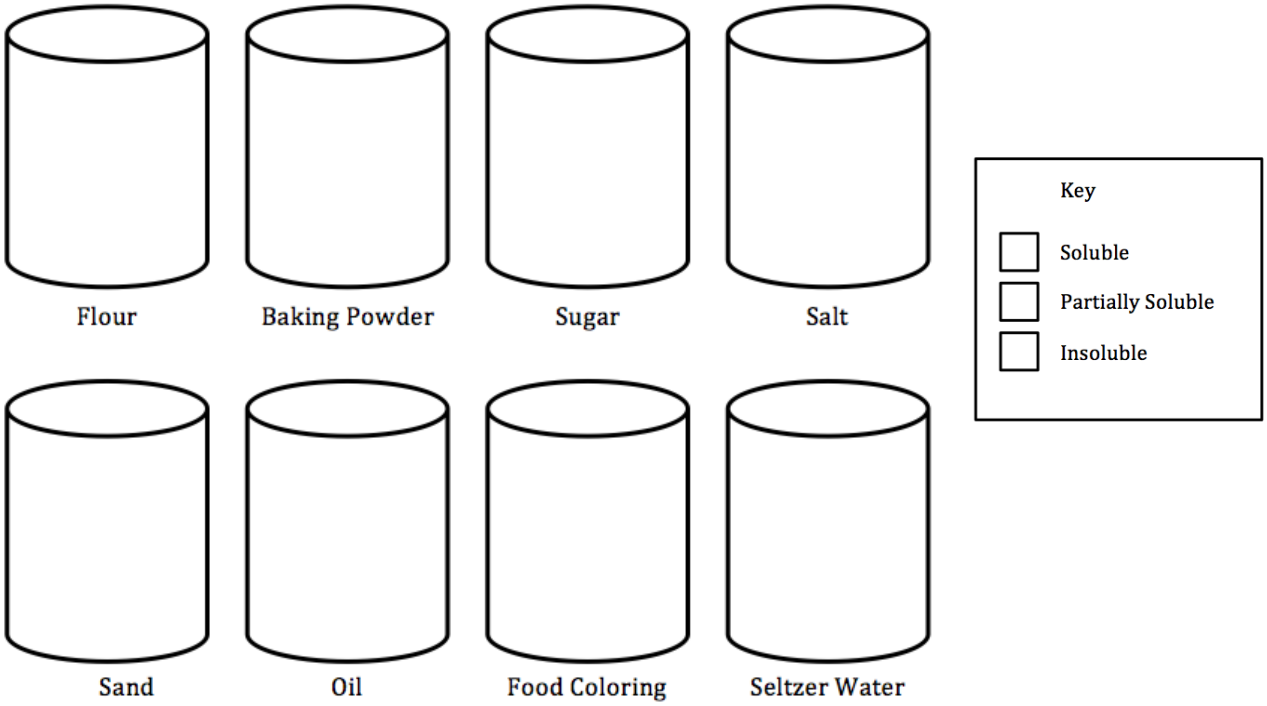
6.) Share you results with the class.

Observations and Results:



What You Learned:

_____

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